

Search Details

Job Title/ Assay Name : User review_1	Amplicon Sequence: CCCAGATCGTTTACCGTGAAAAAATTAGAGTGTTCAAAGCAGGCAG ATCCAATTTTCTGCCACCGAATACATTAGCATGGGATAATGGAATAG GACCCTGTCCTCCTATTTTCAGTTGGTTTTGGCAGCGCGAGGACTA GGGTAATGATTAATAGGGATAGTTGGGGGCATTAATATTTA
Effective Date : 2025-09-23	Forward: CCCAGATCGTTTACCGTGAA
Database : core_nt	Reverse: TAAATATTAATGCCCCCAACTATCC
Alignment algorithm : blastN	Probe: CTGCCACCGAATACATTAGCATGG
Exclusive Organism:	Inclusive Organism:
RID: D5G83JSU015	Total Result: 5000
App Version: None	

#Accessions	#Accession Details	Oligo	Mutation	Impact
Acanthamoeba/5754 Analyzed Accessions: 1559				
1138	1138	NA	No Mutations	Detected
16	16	Forward	C1-	Detected
7	KT735331 OP164627 KU065131 KT934546 PQ431526 OP164616 PV567163	Forward	C1-, C2-	Detected
1	JQ418505	Probe	C1G	Detected
1	JQ678624	Forward	T10G	Detected
4	PV567162 LC598796 LC598505 KU884884	Forward	C8T	Detected
1	LC604810	Forward	C3A	Detected
2	AF019054 KC210134	Reverse	T11G	Detected
2	JQ678607 LC598382	Forward	A13C	Detected
1	EU168079	Forward	C8G	Detected
1	PP835533	Forward	G9C	Detected
1	EU683884	Reverse	A6G	Detected
1	GU586224	Probe	T2A	Detected
1	AY694139	Reverse	T5C	Detected
1	MT919356	Reverse	A18T	Detected
1	LC598503	Forward	A13G	Detected

#Accessions	#Accession Details	Oligo	Mutation	Impact
2	PQ031363 LC604809	Forward	G9T	Detected
2	JX494766 LC598508	Forward	T7C	Detected
3	JX494777 JX441875 KM189380	Forward	T7A	Detected
1	PV567165	Reverse	A3G	Detected
1	MK390854	Probe	G19A	Detected
2	MK390855 JX423605	Reverse	A10G	Detected
10	EF050504 MK726098 MZ413910 PQ431538 MZ413914 OR243669 KT934531 MZ413913 MZ413908 MZ413906	Forward	C1-, C2-, C3-	Detected
5	LC598955 JQ418503 LC598797 KP233870 MW181634	Forward	+6A	Detected
1	EF378673	Probe	+18A	Detected
2	PV567168 PV567161	Forward	+5G	Detected
1	JQ418501	Forward	+8T	Detected
55	55	Probe	+1C	Detected
6	PQ431536 PV810290 HM043808 EF050501 JX683392 MZ413903	Forward	C1-, C2-, C3-, A4-	Detected
2	MG298787 MG298792	Reverse	T1-, A2-, A3-, A4-	Detected
9	JX494769 KM189419 MF944087 JX494776 KP863883 KP863874 KM189427 LC598506 MW181640	Forward	C8-	Detected
2	MZ272077 PQ640068	Probe	G19T	Detected
3	KP233865 PQ031356 KP233866	Probe	C1T	Detected
8	MG917708 JQ418507	Forward	T7A, C8T	Detected

#Accessions	#Accession Details	Oligo	Mutation	Impact
	LC598954 LC598792 EF050479 JX494773 MH024491 JX494762			
2	GU808300 MZ686713	Reverse	C17T	Detected
6	MZ401152 MZ413902 MZ413907 MT919365 HQ236525 MZ413915	Forward	C1-, C2-, C3-, A4-, G5-	Detected
4	MW274673 JX423590 PQ031364 MW274671	Forward	G5A	Detected
1	MG298791	Reverse	T1-, A2-, A3-, A4-, T5-	Detected
3	JQ678625 JQ678626 JQ678627	Forward	G9C, T10G	Detected
1	GU808290	Reverse	A9G	Detected
1	KC164224	Probe	G3T, T17G	Detected
1	LC598504	Forward	G5A, T7A	Detected
1	KM220722	Reverse	A9C	Detected
1	EF140629	Probe	G23A	Detected
1	MW274668	Reverse	+8T	Detected
1	PV567159	Forward	C8T, +6A	Detected
7	KM099394 PP835526 AB525824 KT892897 FJ042643 JX441878 HQ236521	Forward	C1-, C2-, C3-, A4-, G5-, A6-	Detected
1	KY020839	Reverse	T1-, A2-, A3-, A4-, T5-, A6-	Detected
1	MH938697	Probe	A18-, G19-	Detected
1	GU808295	Forward	C1-, C2-	Detected
		Probe	T17C	
19	19	Forward	C1-, C2-, C3-, A4-, G5-, A6-, T7-	Detected
1	HM048982	Forward	C3A, G9-	Detected
1	HG797014	Probe	A6C	Detected
1	MW181631	Forward	G9-, +5G	Detected
23	23	Forward	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-	Detected
1	AF352388	Reverse	+10A	Detected
1	MN071405	Forward	C1-, C2-, C3-, A4-, G9-	Detected
1	KY038362	Probe	A15T	Detected

#Accessions	#Accession Details	Oligo	Mutation	Impact
1	AF005997	Reverse	T8-	Detected
22	22	Forward	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-	Detected
1	AF316546	Probe	A15-	Detected
1	AF366580	Probe	A10G	Detected
1	MZ318345	Probe	C1G, A6-	Detected
1	MZ272170	Probe	A21G	Detected
32	32	Forward	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-	Detected
1	AY148964	Forward	G5A	Detected
		Probe	C1T, +2T	
1	KU885380	Forward	+5R	Detected
1	JQ678611	Forward	A4G, T12-	Detected
2	AF352389 KC822470	Probe	A6G	Detected
1	HG797016	Probe	A6-	Detected
1	PP097694	Probe	A6T, G19A	Detected
1	MW181632	Forward	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-	Detected
		Probe	C1T	
1	EF050508	Probe	C1G, A6G	Detected
1	MT919376	Forward	+8C	Detected
		Reverse	+17C	
1	MZ318352	Probe	G3A	Detected
1	PP564836	Forward	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-	Detected
		Probe	A6G	
2	MH024482 MZ686716	Forward	T12-	Detected
1	PV959943	Probe	+11A	Detected
1	PP564835	Forward	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-	Detected
		Probe	A6T	
1	PV567160	Reverse	T1-	Detected
1	MW274674	Forward	G5A	Detected
		Reverse	T1-, A2-, A3-, A4-, T5-, A6-, T7-	
1	PV567185	Forward	C14G, +6A	Detected
		Reverse	A18C	
1	PP339673	Forward	G5T	Detected
		Probe	T12A	
		Reverse	T1-, A2-, A3-, A4-	
1	MN071402	Forward	C1-, C2-, C3-, A4-, G5-, A6-, T7-	Detected
		Probe	+17A	
		Reverse	+19A	

#Accessions	#Accession Details	Oligo	Mutation	Impact
1	PV603452	Forward	+17AGGAGGG	Detected
1	MN071401	Forward	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-	Detected
		Reverse	+19A	
1	MN071413	Forward	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-	Detected
		Probe	+15T	
1	LC598500	Forward	C8-, A13C	Detected
1	PQ031354	Reverse	A6C, G12-	Detected
1	JQ678612	Forward	C8-, +13G	Detected
		Probe	+2C, +6G	
		Reverse	+17C	
1	JQ418495	Forward	C1-, C2-, C3-, C8T	Detected
1	HG797021	Forward	+8C	Detected
		Probe	A6C, +3GC, +17T	
		Reverse	+10A	
1	KF433820	Probe	C1-, T2-	Detected
1	MZ272074	Probe	T12-	Detected
1	MZ272095	Probe	C8-	Detected
1	PQ249282	Probe	A6G, C7G	Detected
1	GU575126	Forward	A13T	Detected
		Probe	A6C	
1	MH092262	Forward	C1-, C2-, C3-	Detected
		Reverse	T1-, A2-, A3-, A4-, T5-	
4	KT985968 KT985976 EU934051 AF239302	Reverse	+17C	Detected
1	DQ451163	Forward	C8A	Detected
1	MZ338424	Reverse	+22A	Detected
1	KM189390	Forward	C1-, C2-, T7C	Detected
1	MH092266	Forward	T7-, C8-	Detected
1	EF378669	Forward	C1-, C2-, G5T	Detected
		Probe	G19A	
1	MZ338427	Reverse	+23T	Detected
1	MH092246	Forward	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-	Detected
		Reverse	T1-	
1	FJ807647	Probe	A6-	Detected
		Reverse	A6T, +17C	
1	MN071408	Forward	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-	Detected
		Reverse	C13T, C14A	
1	MG066681	Reverse	T1-, A2-, A3-, A4-, T5-, A6-, T7-, T8-, A9-	Detected

#Accessions	#Accession Details	Oligo	Mutation	Impact
2	MF537199 MF537200	Forward	C1-	Detected
		Probe	+1C	
1	MH092253	Forward	C1-	Detected
		Reverse	A4C, A19T	
2	MT944207 MT944206	Probe	A6-, T22-	Detected
		Reverse	A18-, A19-	
1	AY102615	Probe	A11-	Detected
1	JQ678613	Forward	T12-	Detected
		Probe	+1C	
1	MG298789	Probe	+1C	Detected
		Reverse	T1-, A2-, A3-, A4-, T5-	
1	JN555599	Forward	T7A, C8T, G9C, +15T, +18T	Detected
		Probe	+2T, +15A	
		Reverse	+12A, C20A	
1	KM189405	Forward	C1-	Detected
		Probe	C1T	
		Reverse	T1-, T11G	
5	KJ652982 KJ652986 AB525821 KT897268 KJ652983	Forward	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-	Detected
		Probe	+1C	
7	KJ652984 MW689486 MW689477 MW689496 ON600794 ON600791 KJ652990	Forward	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-	Detected
		Probe	+1C	
1	HM048981	Forward	C1-, C2-, C3-, A4-, G5-, A6-, T7-	Detected
		Probe	+1C	
1	KM189429	Forward	G5A	Detected
		Reverse	T1-	
1	MG298793	Forward	C1-, C2-, C3-, A4-, G5-	Detected
		Reverse	T1-, A2-, A3-, A4-, T5-, A6-	
1	KF433821	Forward	T10G, +8C	Detected
1	MT944203	Probe	T16-	Detected
		Reverse	A10-	
1	MG298790	Forward	T12-	Detected
		Probe	+1C	
		Reverse	T1-, A2-, A3-, A4-, T5-, A6-, T7-	
1	HQ236502	Forward	C1-, C2-, C3-, A4-, G5-, +13T, +19TT	Detected
		Probe	+3G, +19T	

#Accessions	#Accession Details	Oligo	Mutation	Impact
		Reverse	T1-, A2-	
1	JF325884	Reverse	T1-, A2-	Detected
1	GU808327	Forward	T17C	Not Detected
1	AF349045	Forward	T17A	Not Detected
1	EF050486	Reverse	C24A	Not Detected
1	JQ418502	Forward	A4G, A6T, A13C	Not Detected
1	PQ031365	Forward	G9C, A19C, A20C	Not Detected
1	OP164622	Forward	T17A	Not Detected
		Reverse	A18G	
1	KM220712	Probe	A18G, G24T	Not Detected
		Reverse	A22C	
1	KU872065	Forward	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T17G	Not Detected
1	OR685534	Forward	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, C15G	Not Detected
		Probe	C8T	
1	MN071407	Forward	C1-, C2-, C3-, A4-, G5-, T12-	Not Detected
		Reverse	+19A	
1	EF050493	Forward	A4T, C8T, T10G, T17C	Not Detected
		Probe	C8A, T22C	
1	MK390876	Reverse	T23C	Not Detected
1	MH024476	Forward	G16C, T17G, G18T	Not Detected
1	JQ678608	Forward	G9C, T10G, T12C, T17C, +15C	Not Detected
		Probe	+10C	
1	AB594479	Forward	C1-, C2-, A13G	Not Detected
		Probe	C1T, G9-	
1	MK192686	Forward	G5-, C14G, C15G	Not Detected
1	MH092264	Forward	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, A20C	Not Detected
2	KP728282 KP728281	Forward	T10A, T12A, C14A, C15A	Not Detected
1	MH092260	Reverse	C16-, C17-	Not Detected
1	MH092252	Forward	C1-, C2-, C3-, A4-, G5-, A6-, T7-, A20C	Not Detected
		Reverse	C16-, C17-	
1	MH092251	Forward	C1-, C2-, C3-, A4-, T11C	Not Detected
		Reverse	T1-, A2-	

#Accessions	#Accession Details	Oligo	Mutation	Impact
1	MH092277	Forward	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, A20C	Not Detected
		Reverse	C25G	
1	MH092248	Forward	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, A19G	Not Detected
		Reverse	C16T, C17G, A19C	
1	EF050507	Forward	T10A, C15T, A20G, +6G	Not Detected
		Probe	C4G, A6T	
		Reverse	A10G, A19G	
1	PQ640067	Forward	G5T, G18A	Not Detected
		Probe	A6C, G9A, C14T, A15T, G19A, C20T, A21G	
		Reverse	G12A, C20A	
1	OP164623	Forward	T12G, C15A, G16A, T17A	Not Detected
		Probe	T17G, T22A	
		Reverse	A18G	
1	KM189423	Probe	C1T, A6C, A13C	Not Detected
1	KM189375	Probe	A13C, G19C	Not Detected
		Reverse	C13G	
1	MH092265	Forward	C1-, C2-, C3-, A4-, A19C, A20C	Not Detected
		Reverse	A3C, A10G, C16-, C17-, A18-	
1	KF294892	Forward	A6T, C8T, G18A	Not Detected
		Probe	G3C, A10C, T16C	
		Reverse	A18C, A19C	
1	MT944202	Probe	C1-, T2-, A6-, T17-, T22-	Not Detected
		Reverse	A19-	
1	MG945020	Forward	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, A13T, T17C	Not Detected
1	PQ640069	Forward	G5T, G9T	Not Detected
		Probe	A6C, G9A, C14T, A15T, G19A, C20T, A21G	
		Reverse	T11A, G12A, C20A, C24A	
1	MG945021	Forward	C1-, G5C, C8G, A13T	Not Detected
1	KM189421	Probe	C8G, A13C, T22G	Not Detected
		Reverse	C24T	
1	MT944204	Probe	C1-, G3C, T16-, T17-	Not Detected
		Reverse	A19-	
1	AY702998	Reverse	T1-, A2-, A3-, A4-, T5-, A6-, T7-, T8-, A9-, A10-, T11-, G12-, C17T, A22T, C25G	Not Detected
1	KM189417	Probe	C8G, A13C	Not Detected
		Reverse	A18C	
1	KM189426	Probe	G3C, A6C, A13C, G19C	Not Detected
		Reverse	C13G, A18C, A22T, C24T	

#Accessions	#Accession Details	Oligo	Mutation	Impact
1	PQ640070	Forward	G5T, G9T	Not Detected
		Probe	A6C, G9A, C14T, A15T, G19A, C20T, A21G, G24A	
		Reverse	T1-, T11A, G12A, A19C, C24A	
1	MT944205	Forward	T17-	Not Detected
		Probe	G3C, A6-, C7-, A13G, T22G, G24-	
		Reverse	A19-	
1	PQ640071	Forward	G5C, C8A, G9T	Not Detected
		Probe	A6C, G19T, G24T	
1	JQ268245	Probe	C1T, T2C, A6G, C7T, C8T, A15G, T17C	Not Detected
		Reverse	T8C, A9G	
1	MH087090	Forward	G5T, G9T, T17A	Not Detected
		Probe	A6C, G9A, C14T, A15T, G19A, C20T, A21G	
		Reverse	T11A, A19C, C20A, C24A	
1	PQ640072	Forward	C1-, C2-, C3-, A4-, G5-, C8A, T17C	Not Detected
		Probe	A6C, A18T, G19T, G24T	
		Reverse	T8A, A19T	
19	19	Forward	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-	limited coverage (excluded)
21	21	Forward	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-	limited coverage (excluded)
19	19	Forward	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-, A13-	limited coverage (excluded)
8	EU168077 KF928949 MF470277 MF470289 PQ431547 KP184483 MF470280 MW181629	Forward	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-, A13-, C14-	limited coverage (excluded)
1	OR770527	Forward	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-	limited coverage (excluded)
		Reverse	A19G	
5	MF470248 FJ042641 MH024484 MN096650 MW181628	Forward	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-, A13-, C14-, C15-	limited coverage (excluded)
1	PX285829	Forward	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-, A13-	limited coverage (excluded)
		Probe	A6C	
2	MF470316 PV603453	Forward	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-, A13-, C14-, C15-, G16-	limited coverage (excluded)

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1	GU586222	Reverse	T1-, A2-, A3-, A4-, T5-, A6-, T7-, T8-, A9-, A10-, T11-, G12-, C13-, C14-, A18C	limited coverage (excluded)
1	JQ678629	Forward	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-	limited coverage (excluded)
		Probe	+2T	
5	MK192786 KR259809 PQ530044 MH024481 MH092250	Forward	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-, A13-, C14-, C15-, G16-, T17-	limited coverage (excluded)
1	KT356261	Forward	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-, A13-	limited coverage (excluded)
		Probe	C1T, G3T	
8	FJ042640 AF140711 AF140714 AF140719 FJ042651 AF140720 AF140721 AF140715	Forward	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-, A13-, C14-, C15-, G16-, T17-, G18-	limited coverage (excluded)
1338	1338	Forward	Forward Missing	limited coverage (excluded)
2	EU338503 KU872069	Forward	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-, A13-, C14-, C15-, G16-, T17-, G18-, A19-	limited coverage (excluded)
1	PP853461	Forward	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-, A13-, C14-, C15-, G16-, T17-, G18-	limited coverage (excluded)
		Probe	T12-	
3	KJ476520 KX714010 PV607992	Forward	Forward Missing	limited coverage (excluded)
		Probe	A6C	
1	PQ031358	Forward	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-, A13-, C14-, C15-, G16-, T17-, G18-	limited coverage (excluded)
		Probe	G3C	
1	FJ042636	Forward	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-, A13-, C14-, C15-	limited coverage (excluded)
		Probe	A6-	
8	PP564850 PP564846 JQ945984 LC427003 KF801456 JF718265 KF054072 JF718255	Forward	Forward Missing	limited coverage (excluded)
		Probe	A6G	
3	PP835515 KT897274 OR241290	Forward	Forward Missing	limited coverage (excluded)
		Probe	C1T	

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1	MG298794	Forward	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-, A13-, C14-, C15-, G16-, T17-, G18-	limited coverage (excluded)
		Reverse	T1-, A2-, A3-, A4-, T5-, A6-, T7-, T8-, A9-, A10-	
7	AY703020 FJ815184 OP297695 GU320590 FJ815188 DQ992178 JF325888	Reverse	Reverse Missing	limited coverage (excluded)
3	PQ031368 KX688024 KX688025	Forward	Forward Missing	limited coverage (excluded)
		Probe	C4G	
1	MH092270	Forward	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-, A13-	limited coverage (excluded)
		Reverse	+19T	
1	MH092261	Forward	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, A20T	limited coverage (excluded)
2	PP659696 PP659698	Forward	Forward Missing	limited coverage (excluded)
		Probe	C7G	
1	PP339685	Forward	Forward Missing	limited coverage (excluded)
		Reverse	T1-, A2-	
1	FJ422535	Forward	Forward Missing	limited coverage (excluded)
		Reverse	T1-, A2-, A3-, A4-, T5-, A6-, T7-, T8-, A9-, A10-, T11-, G12-, C13-, C14-, C15-, C16-, C17-, A18-	
41	41	Forward	Forward Missing	limited coverage (excluded)
		Probe	+1C	
1	PP659704	Forward	Forward Missing	limited coverage (excluded)
		Reverse	T1-, A2-, A3-, A4-, T5-, A6-, T7-, T8-, A9-, A10-	
2	AB327083 AB327062	Forward	Forward Missing	limited coverage (excluded)
		Probe	G3-	
1	OQ158986	Forward	Forward Missing	limited coverage (excluded)
		Reverse	A18C	
26	26	Forward	Forward Missing	limited coverage (excluded)
		Probe	A6-	
1	PP339694	Forward	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-, A13-, C14-	limited coverage (excluded)
		Probe	G19A, T22A	
1	MH092259	Forward	Forward Missing	limited coverage (excluded)
		Reverse	T1-, A2-, A3-	
1	JQ418500	Forward	Forward Missing	limited coverage (excluded)
		Probe	T12A	

#Accessions	#Accession Details	Oligo	Mutation	Impact
2	EU934050 EU934065	Forward	Forward Missing	limited coverage (excluded)
		Probe	+1T	
1	FJ042650	Forward	Forward Missing	limited coverage (excluded)
		Probe	+5C	
6	AB327070 PQ056827 HQ833434 JN399019 KR074230 OM414917	Forward	Forward Missing	limited coverage (excluded)
		Probe	C1-	
14	KU312271 KU312269 KC434441 KC434443 KU312273 KC434449 KC434448 KU312268 KC434442 KC434439 KC434440 KU312274 KC434446 PP659702	Forward	Forward Missing	limited coverage (excluded)
		Reverse	Reverse Missing	
2	KU065133 OP937988	Forward	Forward Missing	limited coverage (excluded)
		Reverse	T1-	
1	FJ158844	Forward	Forward Missing	limited coverage (excluded)
		Probe	G3T, +3GA	
1	LC085972	Forward	Forward Missing	limited coverage (excluded)
		Reverse	T23G	
1	OP938016	Forward	Forward Missing	limited coverage (excluded)
		Probe	+14N	
1	MH092267	Forward	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-, A13-, C14-, C15-	limited coverage (excluded)
		Reverse	C15-, C16-, C17-	
5	EU934049 FJ158846 LC085657 HQ236501 MN227251	Forward	Forward Missing	limited coverage (excluded)
		Probe	+2T	
1	MZ458339	Forward	Forward Missing	limited coverage (excluded)
		Probe	+9C	
1	EU934058	Forward	Forward Missing	limited coverage (excluded)
		Probe	C1T, C7G	
1	MG298786	Reverse	T1-, A2-, A3-, A4-, T5-, A6-, T7-, T8-, A9-, A10-, T11-, G12-, C13-, C14-, C15-, C16-	limited coverage (excluded)

#Accessions	#Accession Details	Oligo	Mutation	Impact
1	MH092263	Forward	Forward Missing	limited coverage (excluded)
		Reverse	A4G	
2	LC276881 PQ069767	Forward	Forward Missing	limited coverage (excluded)
		Probe	+7A	
1	MH620479	Forward	Forward Missing	limited coverage (excluded)
		Probe	+2C	
6	KU936106 OQ940665 MW040587 MT893149 OR553737 PP741651	Forward	Forward Missing	limited coverage (excluded)
		Probe	+11A	
1	MG581704	Forward	Forward Missing	limited coverage (excluded)
		Probe	+2A	
2	LC086295 MZ955619	Forward	Forward Missing	limited coverage (excluded)
		Probe	G19C	
1	KF801454	Forward	Forward Missing	limited coverage (excluded)
		Reverse	A10G	
1	FJ042638	Forward	Forward Missing	limited coverage (excluded)
		Probe	+9G	
2	PP564849 LC426995	Forward	Forward Missing	limited coverage (excluded)
		Probe	A13C	
3	HQ236505 HQ236509 HQ236503	Forward	Forward Missing	limited coverage (excluded)
		Probe	G3T, C4T	
5	MH791006 MH791003 MH791005 MW866553 MH791009	Forward	Forward Missing	limited coverage (excluded)
		Probe	C5-	
1	KF886751	Forward	Forward Missing	limited coverage (excluded)
		Probe	T22A	
1	PP659708	Forward	Forward Missing	limited coverage (excluded)
		Reverse	T1-, A2-, A3-, A4-, T5-, A6-, T7-, T8-, A9-, A10-, T11-	
1	MW866563	Forward	Forward Missing	limited coverage (excluded)
		Probe	G24C	
1	PP978905	Forward	Forward Missing	limited coverage (excluded)
		Probe	A13T	
1	PP659718	Forward	Forward Missing	limited coverage (excluded)
		Reverse	T1-, A2-, A3-, A4-, T5-, A6-, T7-, T8-, A9-, A10-, T11-, G12-, C13-, C14-, C15-, C16-, A19G	
1	MH092245	Forward	Forward Missing	limited coverage

#Accessions	#Accession Details	Oligo	Mutation	Impact
		Reverse	T1-, A2-, A3-, A4-	(excluded)
1	PV800001	Forward	Forward Missing	limited coverage (excluded)
		Probe	G19C, +8CG	
7	LC122510 EU934047 OP164617 MW866538 OP164613 KU894804 GQ999994	Forward	Forward Missing	limited coverage (excluded)
		Probe	C8-	
1	EU934056	Forward	Forward Missing	limited coverage (excluded)
		Probe	C8-, +2T	
1	HQ236528	Forward	Forward Missing	limited coverage (excluded)
		Probe	T2G, C4T, +4T	
3	OR940143 PP957191 MW664342	Forward	Forward Missing	limited coverage (excluded)
		Probe	+22C	
1	MW040580	Forward	Forward Missing	limited coverage (excluded)
		Probe	A6-	
		Reverse	A22T	
3	EF050469 EF050473 EF050483	Forward	Forward Missing	limited coverage (excluded)
		Probe	A6-, A13-	
1	PX112738	Forward	Forward Missing	limited coverage (excluded)
		Probe	+16G	
1	MG891744	Forward	Forward Missing	limited coverage (excluded)
		Probe	+18C	
1	ON600788	Forward	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-, A13-	limited coverage (excluded)
		Probe	+1C	
2	OQ159105 OQ159097	Forward	Forward Missing	limited coverage (excluded)
		Probe	+16A	
1	EU934063	Forward	Forward Missing	limited coverage (excluded)
		Probe	C4A, C8-, +1CT	
1	MG298788	Forward	Forward Missing	limited coverage (excluded)
		Reverse	T1-, A2-, A3-, A4-, T5-, A6-, T7-	
1	MH092257	Forward	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-, A13-	limited coverage (excluded)
		Reverse	T1-, A2-, A3-, A4-, C15-, C16-, C17-	
1	OP404258	Forward	Forward Missing	limited coverage (excluded)
		Probe	+10G	
2	PP659712 MZ144960	Forward	Forward Missing	limited coverage (excluded)
		Reverse	T1-, A2-, A3-, A4-, T5-, A6-, T7-, T8-, A9-, A10-, T11-, G12-, C13-, C14-	

#Accessions	#Accession Details	Oligo	Mutation	Impact
1	PV249448	Forward	Forward Missing	limited coverage (excluded)
		Probe	A10G	
1	HQ236506	Forward	Forward Missing	limited coverage (excluded)
		Probe	C4T, +2TG	
2	JN585806 PV567171	Forward	Forward Missing	limited coverage (excluded)
		Probe	C7A	
1	PP707075	Forward	Forward Missing	limited coverage (excluded)
		Probe	T12G, +22C	
1	MW040578	Forward	Forward Missing	limited coverage (excluded)
		Probe	G19C, A21C	
2	MW866534 MH920247	Forward	Forward Missing	limited coverage (excluded)
		Probe	A6-, C7-	
1	EU934062	Forward	Forward Missing	limited coverage (excluded)
		Probe	C4A, C8-, +2T	
3	ON258848 OR263301 OR263305	Forward	Forward Missing	limited coverage (excluded)
		Probe	+17T	
1	LC522141	Forward	Forward Missing	limited coverage (excluded)
		Probe	G19T	
2	KF881884 AB327077	Forward	Forward Missing	limited coverage (excluded)
		Probe	T2G	
19	19	Forward	Forward Missing	limited coverage (excluded)
		Probe	C1-, T2-	
1	KT894164	Forward	Forward Missing	limited coverage (excluded)
		Probe	A11C, T12C	
1	FJ158855	Forward	Forward Missing	limited coverage (excluded)
		Probe	G3T, +4NT	
1	MG890629	Forward	Forward Missing	limited coverage (excluded)
		Probe	C4T, A21-	
1	OQ159107	Forward	Forward Missing	limited coverage (excluded)
		Probe	C20-	
1	OP910251	Forward	Forward Missing	limited coverage (excluded)
		Probe	+7G	
1	HQ236515	Forward	Forward Missing	limited coverage (excluded)
		Probe	C8-, +23C	
4	JX683399 JX683396 JX683393 JX683397	Forward	Forward Missing	limited coverage (excluded)
		Probe	C1A	

#Accessions	#Accession Details	Oligo	Mutation	Impact
1	OR685532	Forward	Forward Missing	limited coverage (excluded)
		Probe	+18A	
1	PV799995	Forward	Forward Missing	limited coverage (excluded)
		Probe	+21A	
		Reverse	T1-, A2-, A3-, A4-, T5-, A6-, T7-, T8-, A9-, A10-, T11-, G12-, C13-, C14-	
4	HQ833415 HQ833418 JN399023 MZ701918	Forward	Forward Missing	limited coverage (excluded)
		Probe	C1-, T2-, G3-	
1	MT944209	Forward	Forward Missing	limited coverage (excluded)
		Probe	A6C, +11A	
1	MZ079366	Forward	Forward Missing	limited coverage (excluded)
		Reverse	C15G, C16G	
1	JQ678604	Forward	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-, A13-	limited coverage (excluded)
		Probe	T2A	
1	LC581473	Forward	Forward Missing	limited coverage (excluded)
		Probe	A15G, G19T, +19A	
1	PP339677	Forward	Forward Missing	limited coverage (excluded)
		Probe	A10G, +7A	
1	AB327091	Forward	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, G18-, A19-, A20-	limited coverage (excluded)
		Probe	T2G	
1	MN900683	Forward	Forward Missing	limited coverage (excluded)
		Probe	C1G, C5A, A6G	
		Reverse	A19T	
1	OQ159094	Forward	Forward Missing	limited coverage (excluded)
		Probe	T17A, A18T, G19A, +7G	
2	PQ651434 OP169331	Forward	Forward Missing	limited coverage (excluded)
		Probe	C1-, T2-, G3-, C4-, C5-	
1	OR241295	Forward	Forward Missing	limited coverage (excluded)
		Probe	C1-, A6G	
1	EU338507	Forward	Forward Missing	limited coverage (excluded)
		Probe	T2C	
2	OR241284 MK192784	Forward	Forward Missing	limited coverage (excluded)
		Probe	C1-, T2-, G3-, C4-	
1	EU168080	Forward	Forward Missing	limited coverage (excluded)
		Probe	C1-, T2-, G3-, G9T	
37	37	Forward	Forward Missing	limited coverage (excluded)
		Probe	C1-, T2-, G3-, C4-, C5-, A6-	

#Accessions	#Accession Details	Oligo	Mutation	Impact
1	MW664336	Forward	Forward Missing	limited coverage (excluded)
		Probe	A6-, A10G	
1	KX246897	Forward	Forward Missing	limited coverage (excluded)
		Probe	C5G, C7A, T12-	
1	KC434450	Forward	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-	limited coverage (excluded)
		Reverse	Reverse Missing	
1	PP872525	Forward	Forward Missing	limited coverage (excluded)
		Probe	C4T, A10G, +22C	
2	KU894803 KJ531909	Forward	Forward Missing	limited coverage (excluded)
		Probe	C5G, C8-	
1	LC093098	Forward	Forward Missing	limited coverage (excluded)
		Probe	G3T, C8A, +8A	
22	22	Forward	Forward Missing	limited coverage (excluded)
		Probe	C1-, T2-, G3-, C4-, C5-, A6-, C7-	
1	MW040590	Forward	Forward Missing	limited coverage (excluded)
		Probe	+13A	
1	OR241301	Forward	Forward Missing	limited coverage (excluded)
		Probe	C1-, A6-	
1	PP654472	Forward	Forward Missing	limited coverage (excluded)
		Probe	A15G, C20A	
1	MN227248	Forward	Forward Missing	limited coverage (excluded)
		Probe	C4G, A6C, +11A	
1	EU934055	Forward	Forward Missing	limited coverage (excluded)
		Probe	C5T	
21	21	Forward	Forward Missing	limited coverage (excluded)
		Probe	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-	
1	KU356840	Forward	Forward Missing	limited coverage (excluded)
		Probe	A21-	
1	MH092276	Forward	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-, A13-, C14-	limited coverage (excluded)
		Reverse	T1-, A2-, A3-, A4-, T5-, A6-, T7-, T8-, A9-, A10-, T11-, G12-, C13-, C14-	
1	LC426998	Forward	Forward Missing	limited coverage (excluded)
		Probe	C1-, T2-, G3-, C4-, C5-, A6-, C20G	
1	JQ418494	Forward	Forward Missing	limited coverage (excluded)
		Probe	T2C, A6G, C7A, C8A, G9A, A18C	
1	OP164612	Forward	Forward Missing	limited coverage (excluded)
		Probe	C1-, T2-, C7A, G9A	

#Accessions	#Accession Details	Oligo	Mutation	Impact
1	OQ159098	Forward	Forward Missing	limited coverage (excluded)
		Probe	C4G, A6C	
1	FJ158851	Forward	Forward Missing	limited coverage (excluded)
		Probe	C4T, C5T, +7A	
7	AY702989 HQ833422 HQ833412 JN585815 KX714012 OR233175 PQ056838	Forward	Forward Missing	limited coverage (excluded)
		Probe	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-	
1	PP654478	Forward	Forward Missing	limited coverage (excluded)
		Probe	A15G, C20A, +2C	
1	KX246898	Forward	Forward Missing	limited coverage (excluded)
		Probe	C5G, C7A, T12-, +7A	
1	EU934069	Forward	Forward Missing	limited coverage (excluded)
		Probe	C5T, A6-, C7-	
1	OR241303	Forward	Forward Missing	limited coverage (excluded)
		Probe	C1G, A6-, C8G, G9A	
7	KX246891 KF924269 MH675534 PQ056830 KX246890 KJ786503 JN036645	Forward	Forward Missing	limited coverage (excluded)
		Probe	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-	
1	JF317323	Forward	Forward Missing	limited coverage (excluded)
		Reverse	T7G, C24T	
1	PV799992	Forward	Forward Missing	limited coverage (excluded)
		Probe	C1-, T2-, G3-, C4-, C5-, T12C	
1	LC276877	Forward	Forward Missing	limited coverage (excluded)
		Probe	C1-, T2-, G3-, C4-, C8A	
1	PP527092	Forward	Forward Missing	limited coverage (excluded)
		Probe	C7G, A11G	
		Reverse	C15G	
1	HQ236529	Forward	Forward Missing	limited coverage (excluded)
		Probe	G3T, C5-	
		Reverse	A10-	
1	HQ236504	Forward	Forward Missing	limited coverage (excluded)
		Probe	C4T	
1	MW040581	Forward	Forward Missing	limited coverage (excluded)
		Probe	+9T	
		Reverse	T11A	

#Accessions	#Accession Details	Oligo	Mutation	Impact
1	EU934061	Forward	Forward Missing	limited coverage (excluded)
		Probe	G3T, C4A, C7-, C8-	
12	AY702988 OR143778 MK217500 KX870199 KR494238 KR494240 MZ955621 KX246887 MK880494 KR074222 OR568986 KR494241	Forward	Forward Missing	limited coverage (excluded)
		Probe	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-, A11-	
1	LC426996	Forward	Forward Missing	limited coverage (excluded)
		Probe	C1-, T2-, G3-, C4-, C5-, A6-, G19C, C20G	
1	KF035055	Forward	Forward Missing	limited coverage (excluded)
		Probe	C1-, T2-, G3-, C4-, C5-, A6-, G9A, G19T	
1	LC427001	Forward	Forward Missing	limited coverage (excluded)
		Probe	C1-, T2-, G3-, C4-, C5-, A6-, A21T, T22A	
1	OR241302	Forward	Forward Missing	limited coverage (excluded)
		Probe	C1-, T2-, G3-, C4-, A11-	
1	PQ661179	Forward	Forward Missing	limited coverage (excluded)
		Probe	C1-, T2-	
		Reverse	A3C	
1	MW040591	Forward	Forward Missing	limited coverage (excluded)
		Probe	+12T	
29	29	Forward	Forward Missing	limited coverage (excluded)
		Probe	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-, A11-, T12-	
2	PX112735 PX112734	Forward	Forward Missing	limited coverage (excluded)
		Probe	C4G, C5-, A10G, A15G, G19A	
1	GQ999995	Forward	Forward Missing	limited coverage (excluded)
		Probe	C1-, T2-, G3-, C4-, C5-, +19G	
1	OQ940659	Forward	Forward Missing	limited coverage (excluded)
		Probe	C1-, T2-, G3-, C4-, C5-, A6-, +17T	
1	EU934048	Forward	Forward Missing	limited coverage (excluded)
		Probe	G3T, C4A, C8-	
1	PQ819033	Forward	Forward Missing	limited coverage (excluded)
		Probe	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-, +22C	
1	PP339689	Forward	Forward Missing	limited coverage (excluded)
		Probe	C4T, A6-, A10G, T12G, A21C, T22C	

#Accessions	#Accession Details	Oligo	Mutation	Impact
1	MF076643	Forward	Forward Missing	limited coverage (excluded)
		Probe	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-, A11-, T12-, A13-, C14-	
1	MW040592	Forward	Forward Missing	limited coverage (excluded)
		Probe	+12T, +17T	
1	OQ940661	Forward	Forward Missing	limited coverage (excluded)
		Probe	C1-, T2-, G3-, C4-, C5-, A6-, +17TT	
1	MZ144954	Forward	Forward Missing	limited coverage (excluded)
		Probe	A6-	
		Reverse	T7G, T8G	
1	MT893134	Forward	Forward Missing	limited coverage (excluded)
		Probe	A15T, G19C, +3G	
		Reverse	G12C	
7	MK297916 PV596411 KX246892 MG969830 PV799996 PV810224 MZ618665	Forward	Forward Missing	limited coverage (excluded)
		Probe	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-, A11-, T12-, A13-, C14-, A15-	
10	KF881879 KM403411 KM403405 KM403407 KM403409 KM403419 KM403413 KM403412 KM403417 KM403406	Forward	Forward Missing	limited coverage (excluded)
		Probe	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-, A11-, T12-, +16G	
1	KF881883	Forward	Forward Missing	limited coverage (excluded)
		Probe	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-, A11-, T12-, +16A	
1	JF718264	Forward	Forward Missing	limited coverage (excluded)
		Probe	A15C	
8	MF579529 KC669511 MT225942 MK192799 PP707064 OP411028 MF076648 MK347299	Forward	Forward Missing	limited coverage (excluded)
		Probe	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-, A11-, T12-, A13-, C14-, A15-, T16-	
1	JQ418498	Forward	Forward Missing	limited coverage (excluded)
		Probe	G9T	
1	OP164614	Forward	Forward Missing	limited coverage (excluded)
		Probe	C1-, T2-, G3-, C4-, C5-, A6-, C7-, A15-, G19T, C20G	
5	JX423576 MK880493 MW757027	Forward	Forward Missing	limited coverage (excluded)

#Accessions	#Accession Details	Oligo	Mutation	Impact
	OP938022 PP339701	Probe	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-, A11-, T12-, A13-, C14-, A15-, T16-, T17-	
1	EU934070	Forward	Forward Missing	limited coverage (excluded)
		Probe	C1T, G3T, C4A	
		Reverse	T1-, A2-, +9T, +12T	
1	FJ158852	Forward	Forward Missing	limited coverage (excluded)
		Probe	A6T, +19G	
3	FJ815183 FJ815186 FJ815185	Probe	+1C	limited coverage (excluded)
		Reverse	Reverse Missing	
1	PV800002	Forward	Forward Missing	limited coverage (excluded)
		Probe	C1-, T2-, G3-, C4-, C5-, T12-, A13-, G19C, +19T	
4	PV596405 JN399015 OR685533 JN399012	Forward	Forward Missing	limited coverage (excluded)
		Probe	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-, A11-, T12-, A13-, C14-, A15-, T16-, T17-, A18-	
1	MW866546	Forward	Forward Missing	limited coverage (excluded)
		Probe	A6G, A10G, +18T	
1	OR241297	Forward	Forward Missing	limited coverage (excluded)
		Probe	C1-, T2-, A6C, T12-	
1	HM055893	Forward	Forward Missing	limited coverage (excluded)
		Probe	C5A, A6-, C7-	
		Reverse	A19-	
1	JF718256	Forward	Forward Missing	limited coverage (excluded)
		Probe	C1T, T2G	
6	KF881886 PP659721 OP862864 JQ315202 MK347325 MZ701919	Forward	Forward Missing	limited coverage (excluded)
		Probe	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-, A11-, T12-, A13-, C14-, A15-, T16-, T17-, A18-, G19-	
2	HM055888 HM055889	Forward	Forward Missing	limited coverage (excluded)
		Probe	C1T, C8-	
		Reverse	A19-	
1	KM403408	Forward	Forward Missing	limited coverage (excluded)
		Probe	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-, A11-, T12-, +16G	
		Reverse	T1-	
1	KR074229	Forward	Forward Missing	limited coverage (excluded)
		Probe	A13T, +1C	
1	OQ940664	Forward	Forward Missing	limited coverage (excluded)
		Probe	A6-, A15-	

#Accessions	#Accession Details	Oligo	Mutation	Impact
1	KF962051	Forward	Forward Missing	limited coverage (excluded)
		Probe	C1G, C5A, A6G	
3	OQ803533 PQ056836 LC122508	Forward	Forward Missing	limited coverage (excluded)
		Probe	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-, A11-, T12-, A13-, C14-, A15-, T16-, T17-, A18-, G19-, C20-	
1	KC493777	Forward	Forward Missing	limited coverage (excluded)
		Probe	C1-, T2-, G3-, C4-, C5-, A6-, G9A, A15-, G19T, A21-	
1	EU934052	Forward	Forward Missing	limited coverage (excluded)
		Probe	G3T, C4G, +4AA, +16A	
1	KM403410	Forward	Forward Missing	limited coverage (excluded)
		Probe	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-, A11-, T12-, +16G	
		Reverse	C15G	
1	KM403418	Forward	Forward Missing	limited coverage (excluded)
		Probe	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-, A11-, T12-, +16G	
		Reverse	C15T	
1	HM055890	Forward	Forward Missing	limited coverage (excluded)
		Probe	C1-, T2-, G3-, C4-, C5-, A6-, C7-, T22C	
		Reverse	A19-	
3	OR568988 LC522143 MK347298	Forward	Forward Missing	limited coverage (excluded)
		Probe	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-, A11-, T12-, A13-, C14-, A15-, T16-, T17-, A18-, G19-, C20-, A21-	
1	OP937999	Forward	Forward Missing	limited coverage (excluded)
		Probe	G19A, +1C	
1	FJ158847	Forward	Forward Missing	limited coverage (excluded)
		Probe	C5T, A6T, C7T, C8A	
		Reverse	T1-, A2-, A10-	
1	OQ822819	Forward	Forward Missing	limited coverage (excluded)
		Probe	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-	
		Reverse	T1-, A2-, A3-, A4-, T5-, A6-, T7-, T8-, A9-, A10-, T11-, G12-	
9	KJ504220 AY702985 PP339700 PP707081 MG581709 KX714006 PP835520 JQ678616 PQ056833	Forward	Forward Missing	limited coverage (excluded)
		Probe	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-, A11-, T12-, A13-, C14-, A15-, T16-, T17-, A18-, G19-, C20-, A21-, T22-	
1	MF076656	Forward	Forward Missing	limited coverage (excluded)
		Probe	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-, A11-, T12-, A13-, C14-, A15-, T16-, T17-, A18-, G19-, C20-, A21-, T22-, G23-	
1	KF294903	Forward	Forward Missing	limited coverage (excluded)
		Probe	T2C, A6C, A11-, A21C, T22C, +19Y	

#Accessions	#Accession Details	Oligo	Mutation	Impact
67	67	Forward	Forward Missing	limited coverage (excluded)
		Probe	Probe Missing	
1	KY038361	Forward	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-, A13-, C14-, C15-, G16-, T17-	limited coverage (excluded)
		Probe	C1T, T2C, G3T, A6T, C7T, A13C, A15T	
1	KR074214	Forward	Forward Missing	limited coverage (excluded)
		Probe	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-, A11-, T12-, A13-, C14-, A15-, T16-, T17-, A18-, G19-, T22C	
1	MK886514	Forward	Forward Missing	limited coverage (excluded)
		Probe	C1-, T2-, +17TT	
		Reverse	T5A	
1	MW757017	Forward	Forward Missing	limited coverage (excluded)
		Probe	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-, A11-, T12-, A13-, C14-, A15-, T16-, T17-, A18-, G19-, C20-, A21-, T22-	
		Reverse	A3C	
1	FJ158845	Forward	Forward Missing	limited coverage (excluded)
		Probe	G3T, +3NT	
1	OQ940657	Forward	Forward Missing	limited coverage (excluded)
		Probe	C1-, T2-, G3-, C4-, C5-, A6-, +12T, +17TT	
1	MG969818	Forward	Forward Missing	limited coverage (excluded)
		Probe	A6-, A11-, A15-, A21T, T22G	
1	OP938012	Forward	Forward Missing	limited coverage (excluded)
		Probe	G19A	
1	OQ804422	Forward	Forward Missing	limited coverage (excluded)
		Probe	C1-, T2-, C14G, A15-	
		Reverse	Reverse Missing	
1	KU872064	Forward	Forward Missing	limited coverage (excluded)
		Reverse	T5A	
1	OP862863	Forward	Forward Missing	limited coverage (excluded)
		Probe	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-, A11-, T12-, A13-, C14-, A15-, T16-, G24C	
1	KF962049	Forward	Forward Missing	limited coverage (excluded)
		Probe	A6-, +1C	
1	FJ158853	Forward	Forward Missing	limited coverage (excluded)
		Probe	G3T, C4T, C5A, A6C, C7A, +19G	
		Reverse	T1-	
1	KF054075	Forward	Forward Missing	limited coverage (excluded)
		Probe	T2C, G3T, C4G, A6G, A11G	
1	JF718257	Forward	Forward Missing	limited coverage

#Accessions	#Accession Details	Oligo	Mutation	Impact
		Probe	T2G, C4G, A6G, C7A	(excluded)
1	KU312270	Forward	Forward Missing	limited coverage (excluded)
		Probe	+1C	
		Reverse	Reverse Missing	
1	JF718254	Forward	Forward Missing	limited coverage (excluded)
		Probe	A6G, C7A, A15C, +3G	
1	LC184514	Forward	Forward Missing	limited coverage (excluded)
		Probe	A15-, G19A	
1	OR940145	Forward	Forward Missing	limited coverage (excluded)
		Probe	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-, A11-, T12-, A13-, C14-, A21C, T22C	
1	OQ158989	Forward	Forward Missing	limited coverage (excluded)
		Probe	C1-, T2-, G3-, C4-, C5-, A6-, +17T	
		Reverse	+17G	
1	KF886753	Forward	Forward Missing	limited coverage (excluded)
		Probe	C1-, T2-, C8-, A13-, T17-	
		Reverse	A10-, A19-	
1	OR241281	Forward	Forward Missing	limited coverage (excluded)
		Probe	C1-, T2-, G3-, C4-, C5-, A6-, C7-, T12-, C20A	
1	PP872534	Forward	Forward Missing	limited coverage (excluded)
		Probe	A6G, C7A, +1G	
1	MN900689	Forward	Forward Missing	limited coverage (excluded)
		Probe	C1-, A6G, C7A	
1	KT892821	Forward	Forward Missing	limited coverage (excluded)
		Probe	C8T	
		Reverse	T8C	
1	PP339703	Forward	Forward Missing	limited coverage (excluded)
		Probe	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-, A11-, T12-, A13-, C14-, G19T, A21C, T22C	
1	OQ159102	Forward	Forward Missing	limited coverage (excluded)
		Probe	C4G, T12-, A15T, G19C, C20A, A21T	
		Reverse	G12C, A19T, T21C	
1	MZ458342	Forward	Forward Missing	limited coverage (excluded)
		Probe	A15C, G19C, +9C, +20C	
1	EF050476	Forward	Forward Missing	limited coverage (excluded)
		Probe	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-, A11-, T12-, A13-	
1	OR241299	Forward	Forward Missing	limited coverage (excluded)
		Probe	C1-, T2-, G3-, C4-, C5-, A6-, A15C, T17C, T22A, +11R	

#Accessions	#Accession Details	Oligo	Mutation	Impact
1	MT893136	Forward	Forward Missing	limited coverage (excluded)
		Probe	T2C, T16C, +9C, +16C	
1	KC434447	Forward	Forward Missing	limited coverage (excluded)
		Probe	+1T	
		Reverse	Reverse Missing	
1	PP659699	Forward	Forward Missing	limited coverage (excluded)
		Probe	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-, A11-, T12-, A13-, C14-, A15-, T16-, T17-, A18-, G19-	
		Reverse	G12C	
1	EU934060	Forward	Forward Missing	limited coverage (excluded)
		Probe	C1-, T2-, G3-, C4-, C5-, A6-, C7-	
		Reverse	+14G, +20G	
1	FJ158856	Forward	Forward Missing	limited coverage (excluded)
		Probe	C5T, A6T, C8A, G9A	
		Reverse	+13A, +19T A	
1	JQ418509	Forward	Forward Missing	limited coverage (excluded)
		Probe	T2G, A6T, A11T, A21C	
1	KF962052	Forward	Forward Missing	limited coverage (excluded)
		Probe	C1-, T2-, G3-, C4-, C5-, A6-, A15-	
1	OP938007	Forward	Forward Missing	limited coverage (excluded)
		Probe	A15-, G19A	
		Reverse	T7A	
1	MN071400	Forward	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, C15T	limited coverage (excluded)
		Probe	C1G, A10G, T16G, T17A	
		Reverse	Reverse Missing	
1	KU872063	Forward	Forward Missing	limited coverage (excluded)
		Probe	C1-, C5G	
		Reverse	T11A, C24T	
1	KC434451	Forward	Forward Missing	limited coverage (excluded)
		Probe	C8-, +2T	
		Reverse	Reverse Missing	
1	MT944211	Forward	Forward Missing	limited coverage (excluded)
		Probe	C4G, C8-, T12G, T17G	
		Reverse	A18C, A19-, A22-	
1	OK641891	Forward	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-, A13-, C14-	limited coverage (excluded)
		Probe	C1T, T2C, A6G, C7T, C8T, A15G, T17C	
		Reverse	T8C, A9G	
1	KM189400	Forward	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-, A13-, C14-, C15-, G16-, T17-, G18-	limited coverage (excluded)

#Accessions	#Accession Details	Oligo	Mutation	Impact
		Probe	C8G, A13C, G19C, T22G	
		Reverse	C13G, A18C, A22T, C24T	
Acanthamoeba castellanii/5755 Analyzed Accessions: 71				
50	50	NA	No Mutations	Detected
1	OK641882	Forward	C1-, C2-	Detected
2	PV567158 PX285827	Forward	C8T	Detected
1	MF399029	Forward	G5A	Detected
1	KP221682	Probe	C1T	Detected
3	PQ044632 PV567177 KP221683	Forward	+6A	Detected
2	PX285830 KX018027	Forward	T7A, C8T	Detected
2	ON875356 KP221684	Forward	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-	Detected
2	ON875355 KY981792	Forward	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-	Detected
1	KY514424	Forward	C1-, C2-, C3-, A4-, G5-	Detected
1	KU872061	Forward	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-	Detected
1	PP339698	Probe	C1T	Detected
		Reverse	A10G	
1	MT889653	Probe	A13-	Detected
1	AF239162	Reverse	+17C	Detected
1	MK578678	Forward	C1-, C2-, C3-	Detected
		Probe	A13C	
1	KY072783	Forward	G18A	Not Detected
		Probe	G3C, A6C, C14T	
		Reverse	T1-, T8A, A18C, A19C, T21C	
7	KX018021 KX018029 KX018028 KJ446977 KC694183 KC694182 KC694178	Forward	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-	limited coverage (excluded)
3	KX018040 OK641895 OR564019	Forward	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-, A13-	limited coverage (excluded)
1	KY203908	Forward	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-	limited coverage (excluded)
2	KX018038 OK641896	Forward	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-, A13-, C14-	limited coverage (excluded)

#Accessions	#Accession Details	Oligo	Mutation	Impact
3	OK641900 OR564018 KX018030	Forward	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-, A13-, C14-, C15-	limited coverage (excluded)
1	OR564015	Forward	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-, A13-, C14-, C15-, A19G	limited coverage (excluded)
63	63	Forward	Forward Missing	limited coverage (excluded)
1	KX018025	Forward	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-, A13-, C14-, C15-, G16-, T17-, G18-	limited coverage (excluded)
2	OK559554 OK562071	Forward	Forward Missing	limited coverage (excluded)
		Probe	C1T	
1	OR352423	Forward	Forward Missing	limited coverage (excluded)
		Probe	+11A	
1	EF176003	Forward	Forward Missing	limited coverage (excluded)
		Probe	+9C	
1	PP758985	Forward	Forward Missing	limited coverage (excluded)
		Probe	A21-	
2	KR872641 KR872642	Forward	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-	limited coverage (excluded)
		Probe	C1T, A6C, A11T, A15T, G19C, +2TAAAAAC	
1	KF881885	Forward	Forward Missing	limited coverage (excluded)
		Probe	C8A, +8A	
2	PQ676275 LC629632	Forward	Forward Missing	limited coverage (excluded)
		Probe	C1-, T2-	
1	OQ679416	Forward	Forward Missing	limited coverage (excluded)
		Probe	C1-, T2-, G3-, C4-, C5-	
1	KJ446978	Forward	Forward Missing	limited coverage (excluded)
		Probe	T2G, A6-, A15-	
1	MT820305	Forward	Forward Missing	limited coverage (excluded)
		Probe	C1-, T2-, +21A	
6	OL336245 OK641901 OK641889 OK641890 OK641893 OK641892	Forward	Forward Missing	limited coverage (excluded)
		Probe	C1-, T2-, G3-, C4-, C5-, A6-	
2	LC883912 KF881889	Forward	Forward Missing	limited coverage (excluded)
		Probe	C1-, T2-, G3-, C4-, C5-, A6-, C7-	

#Accessions	#Accession Details	Oligo	Mutation	Impact
1	MN685269	Forward	Forward Missing	limited coverage (excluded)
		Probe	C8-	
1	PV628290	Forward	Forward Missing	limited coverage (excluded)
		Probe	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-, A11-	
1	KJ446975	Forward	Forward Missing	limited coverage (excluded)
		Probe	C1-, T2-, A6C, A11T, A15T, G19C	
1	MG722753	Forward	Forward Missing	limited coverage (excluded)
		Probe	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-, A11-, T12-	
1	OR263298	Forward	Forward Missing	limited coverage (excluded)
		Probe	C1-, T2-, G3-, C4-, C5-, A6-, +17N	
1	LC883920	Forward	Forward Missing	limited coverage (excluded)
		Probe	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-, A11-, T12-, A13-, C14-, A15-, T16-, T17-, A18-, G19-, C20-	
2	OP854853 PQ819041	Forward	Forward Missing	limited coverage (excluded)
		Probe	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-, A11-, T12-, A13-, C14-, A15-, T16-, T17-, A18-, G19-, C20-, A21-, T22-	
1	PV567188	Forward	Forward Missing	limited coverage (excluded)
		Probe	T2-, G3-	
1	MH919367	Forward	Forward Missing	limited coverage (excluded)
		Probe	A6-, C7-	
1	OP861001	Forward	Forward Missing	limited coverage (excluded)
		Probe	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-, A11-, T12-, A13-, C14-, A15-	
		Reverse	C17-	
4	PP835518 KR494234 OP954857 OK641883	Forward	Forward Missing	limited coverage (excluded)
		Probe	Probe Missing	
Acanthamoeba lenticulata/29196 Analyzed Accessions: 68				
4	PQ069782 KF733259 KF733260 PV959950	NA	No Mutations	Detected
41	41	Probe	+1C	Detected
1	MF100904	Probe	+18C	Detected
1	KX232519	Forward	C8T	Detected
		Probe	+1C	
1	KX018037	Probe	+1C, +5N	Detected
1	KX018034	Forward	C8-	Detected
		Probe	+1C	
1	KX018036	Forward	T7G, C8T	Detected
		Probe	+1C	

#Accessions	#Accession Details	Oligo	Mutation	Impact
2	MF100905 MF100906	Probe	G19A, +1C	Detected
1	KM823777	Probe	A6C, +1C	Detected
2	KC694184 KC694186	Forward	C1-, C2-, C3-, A4-, G5-, A6-	Detected
		Probe	+1C	
1	KM823779	Forward	C1-, +7T	Detected
		Probe	A6C, +1C	
1	KC694185	Forward	C1-, C2-, C3-, A4-, G5-, A6-, T7-	Detected
		Probe	+1C	
2	KX018045 PV124347	Forward	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-	Detected
		Probe	+1C	
1	KM823785	Forward	C1-, C2-, C3-, A4-, G5-, A6-	Detected
		Probe	A6C, +1C	
1	PX285828	Forward	C1-, T7A, C8T	Detected
		Probe	T16G	
2	KC438381 KX018026	Forward	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-	Detected
		Probe	+1C	
1	KC493773	Forward	C1-, C2-, C3-	Detected
		Probe	A13T, +1C	
1	KM823782	Forward	T12A, A13T	Not Detected
		Probe	+1C	
1	PP835534	Forward	G5A, T7A, T12-	Not Detected
		Probe	+1C	
1	PP564837	Forward	C1-, C2-, C3-, A4-, G5-, A6-, T12A	Not Detected
		Probe	A13T, +1C	
1	MW350022	Forward	A6T, C8T, T12A, A13G, T17G	Not Detected
		Probe	A13T, G19T	
		Reverse	C17G	
1	KX232520	Forward	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-	limited coverage (excluded)
6	KX018044 KX018039 KX018032 KX018035 KX018024 KX232517	Forward	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-	limited coverage (excluded)
		Probe	+1C	
1	KX018041	Forward	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-	limited coverage (excluded)
		Probe	+1C	
3	KX018031 KX018033 PV810108	Forward	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-, A13-	limited coverage (excluded)
		Probe	+1C	

#Accessions	#Accession Details	Oligo	Mutation	Impact
1	KX018046	Forward	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-, A13-, C14-	limited coverage (excluded)
		Probe	+1C	
11	MT539094 EF176005 EF176000 EF175998 EF176002 EF176004 KP940443 GU573878 OQ247958 MN700283 MT256179	Forward	Forward Missing	limited coverage (excluded)
		Probe	+1C	
11	MN685268 LC629636 LC629635 MK217511 LC883909 PX272269 MN093972 OK641897 MN685223 MT328655 PQ676278	Forward	Forward Missing	limited coverage (excluded)
1	GU573877	Forward	Forward Missing	limited coverage (excluded)
		Probe	C5G, +1C	
3	MW757019 MK217515 MK217517	Forward	Forward Missing	limited coverage (excluded)
		Probe	C1-	
1	PX285832	Forward	Forward Missing	limited coverage (excluded)
		Probe	C1-, T2-, G3-	
2	PP732394 PX285831	Forward	Forward Missing	limited coverage (excluded)
		Probe	C1-, T2-	
1	KX246893	Forward	Forward Missing	limited coverage (excluded)
		Probe	+9T	
1	MN685221	Forward	Forward Missing	limited coverage (excluded)
		Probe	C1-, T2-, G3-, C4-, C5-	
1	MK217516	Forward	Forward Missing	limited coverage (excluded)
		Probe	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-	
1	PP732392	Forward	Forward Missing	limited coverage (excluded)
		Probe	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-	
3	MK217513 MK217512 MK217510	Forward	Forward Missing	limited coverage (excluded)
		Probe	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-, A11-	
1	OR767826	Forward	Forward Missing	limited coverage (excluded)
		Reverse	T1-, A2-, A3-, A4-, T5-, A6-, T7-, T8-	
1	ON982457	Forward	Forward Missing	limited coverage (excluded)
		Probe	T2C	

#Accessions	#Accession Details	Oligo	Mutation	Impact
1	MT261772	Forward	Forward Missing	limited coverage (excluded)
		Probe	C1-, T2-, G3-, C4-, C5-, A6-	
1	PQ559813	Forward	Forward Missing	limited coverage (excluded)
		Probe	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-, A11-, T12-, A13-, C14-	
1	MT261769	Forward	Forward Missing	limited coverage (excluded)
		Probe	C4G, A6G, C8A	
1	MT261770	Forward	Forward Missing	limited coverage (excluded)
		Probe	T2C, C4G, +6G	
1	OR767827	Forward	Forward Missing	limited coverage (excluded)
		Reverse	C16A	
Acanthamoeba jacobsi/238784 Analyzed Accessions: 33				
28	28	NA	No Mutations	Detected
1	HG797013	Forward	+8C	Detected
1	KP233872	Forward	+6A	Detected
1	KY513795	Forward	T12C, +12C	Detected
1	KF035057	Probe	C8-	Detected
1	MN685270	Forward	T7A, C8T	Detected
		Reverse	T8C	
23	23	Forward	Forward Missing	limited coverage (excluded)
3	GU573866 GU573869 GU573862	Forward	Forward Missing	limited coverage (excluded)
		Probe	A6-	
1	GU573864	Forward	Forward Missing	limited coverage (excluded)
		Probe	T2C	
1	PP356066	Forward	Forward Missing	limited coverage (excluded)
		Probe	G9A	
2	MN685227 MN685244	Forward	Forward Missing	limited coverage (excluded)
		Reverse	T8C	
1	MH790991	Forward	Forward Missing	limited coverage (excluded)
		Probe	C5-	
1	GU573857	Forward	Forward Missing	limited coverage (excluded)
		Probe	C1-, T2-, G3-	
1	PV235319	Forward	Forward Missing	limited coverage (excluded)
		Probe	C1-, T2-	
		Reverse	T8C	
1	GU573856	Forward	Forward Missing	limited coverage

#Accessions	#Accession Details	Oligo	Mutation	Impact
		Probe	C1T, A6G, C7A, C8A	(excluded)
Acanthamoeba polyphaga/5757 Analyzed Accessions: 30				
26	26	NA	No Mutations	Detected
1	PP564843	Forward	C1-, T7A	Detected
1	FJ807648	Forward	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-	Detected
1	HG797020	Forward	G9C, T10G, +13AC	Detected
1	ON908497	Forward	T11A, T12A	Not Detected
1	KC694188	Forward	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-, A13-	limited coverage (excluded)
28	28	Forward	Forward Missing	limited coverage (excluded)
1	GU596996	Forward	Forward Missing	limited coverage (excluded)
		Probe	+2A	
1	KF881881	Forward	Forward Missing	limited coverage (excluded)
		Probe	T2G	
1	GU596998	Forward	Forward Missing	limited coverage (excluded)
		Probe	T2G, A6-	
1	LC629633	Forward	Forward Missing	limited coverage (excluded)
		Probe	C1-, T2-	
1	ON908496	Forward	Forward Missing	limited coverage (excluded)
		Probe	G9C	
2	OL336326 OR263296	Forward	Forward Missing	limited coverage (excluded)
		Probe	C1-, T2-, G3-, C4-, C5-, A6-	
1	KF881878	Forward	Forward Missing	limited coverage (excluded)
		Probe	C1-, T2-, G3-, C4-, C5-, A6-, C7-	
1	MN093961	Forward	Forward Missing	limited coverage (excluded)
		Probe	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-, A11-, T12-, A13-, C14-, A15-, T16-	
1	OK042100	Forward	Forward Missing	limited coverage (excluded)
		Probe	+17CN	
		Reverse	A18G	
1	OR940142	Forward	Forward Missing	limited coverage (excluded)
		Probe	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-, A11-, T12-, A13-, C14-, A15-, T16-, T17-, A18-, G19-, C20-, A21-	
2	DQ490964 OR789579	Forward	Forward Missing	limited coverage (excluded)
		Probe	+3G, +17T	

#Accessions	#Accession Details	Oligo	Mutation	Impact
Acanthamoeba hatchetti/65660 Analyzed Accessions: 21				
19	19	NA	No Mutations	Detected
1	JF508857	Probe	C4T	Detected
1	MW350039	Forward	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-	Detected
		Reverse	A18G	
20	20	Forward	Forward Missing	limited coverage (excluded)
1	MN700275	Forward	Forward Missing	limited coverage (excluded)
		Reverse	T11C	
1	OQ247961	Forward	Forward Missing	limited coverage (excluded)
		Probe	A6G, +15G	
1	MT226327	Forward	Forward Missing	limited coverage (excluded)
		Probe	T16C, A18T, +9T, +18CAC	
1	MZ504292	Forward	Forward Missing	limited coverage (excluded)
		Probe	Probe Missing	
Acanthamoeba culbertsoni/43142 Analyzed Accessions: 14				
11	MK713903 MK713908 MK713913 MK713910 MK713904 AF019057 MK713907 MK713925 OR767831 AF019067 DQ499151	NA	No Mutations	Detected
1	KY514419	Forward	C1-, C2-, C3-, C8T	Detected
1	MK713899	Probe	C1T, G3T, A6C	Not Detected
		Reverse	+16A	
1	MK713902	Probe	C1T, G3T, A6C, G19C, A21C	Not Detected
32	32	Forward	Forward Missing	limited coverage (excluded)
3	OQ247964 OQ247951 OQ247952	Forward	Forward Missing	limited coverage (excluded)
		Probe	+11A	
1	OQ247963	Forward	Forward Missing	limited coverage (excluded)
		Probe	+16A	
1	OQ247954	Forward	Forward Missing	limited coverage (excluded)
		Reverse	A18C	
1	OK042099	Forward	Forward Missing	limited coverage

#Accessions	#Accession Details	Oligo		Mutation	Impact
		Probe	A15-		(excluded)
1	MW757028	Forward	Forward Missing		limited coverage (excluded)
		Probe	C1-		
1	OK042094	Forward	Forward Missing		limited coverage (excluded)
		Probe	C1-, T2-		
1	OP861003	Forward	Forward Missing		limited coverage (excluded)
		Probe	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-, A11-, T12-, A13-		
1	PP835521	Forward	Forward Missing		limited coverage (excluded)
		Probe	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-, A11-, T12-, A13-, C14-, A15-, T16-, T17-, A18-, G19-, C20-, A21-, T22-		
Acanthamoeba quina/211522 Analyzed Accessions: 11					
9	PV959954 AY703023 PV959944 MK713921 MK713900 MK713926 MK713920 MK713923 PP339696	NA	No Mutations		Detected
2	MK713917 MK713918	Probe	C1T		Detected
2	MG386313 MT539092	Forward	Forward Missing		limited coverage (excluded)
1	OP861630	Forward	Forward Missing		limited coverage (excluded)
		Probe	C1-, T2-, G3-		
1	OP863035	Forward	Forward Missing		limited coverage (excluded)
		Probe	Probe Missing		
uncultured eukaryote/100272 Analyzed Accessions: 468					
5	LN588174 GU922825 KU820767 LN588310 LN587664	NA	No Mutations		Detected
3	FN867745 FN867442 FN867472	Probe	C7T		Detected
1	LN588278	Reverse	T1-		Detected
1	KU820730	Forward	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, G16T, A20G		Not Detected
1	FN867448	Forward	G9A, C15T		Not Detected
		Probe	C7T, G9A		
79	79	Forward	C1-, C2-, G16T		Not Detected
		Probe	G3T, C4-, C5-, A6-, C7-, C8-		
		Reverse	T8G		

#Accessions	#Accession Details	Oligo	Mutation	Impact
22	22	Forward	C1-, C2-, G16T	Not Detected
		Probe	G3T, C4-, C5-, A6-, C7-, C8-, C14T	
		Reverse	T8G	
5	GQ365834 KP270646 MZ299594 MZ296828 MH913811	Forward	C1-, G16T	Not Detected
		Probe	G3T, C4-, C5-, A6-, C7-, C8-	
		Reverse	T8G	
1	KT814060	Forward	C1-, G5C, G16T	Not Detected
		Probe	G3T, C4-, C5-, A6-, C7-, C8-, C14T	
		Reverse	T7C	
1	KT815251	Forward	C1-, C2-, G16T	Not Detected
		Probe	G3T, C4-, C5-, A6-, C7-, C8-, C14T	
		Reverse	A4G, T7C	
1	GU117661	Forward	C1-, C2-, G16T	Not Detected
		Probe	C1T, A6T, C7-, C8-, C14T	
		Reverse	T8G	
1	MK004822	Forward	C1-, C2-, G16T	Not Detected
		Probe	G3T, C4-, C5-, A6-, C7-, C8-	
		Reverse	T1-, T8G	
23	23	Forward	C1-, G5C, G16T	Not Detected
		Probe	G3T, C4-, C5-, A6-, C7-, C8-, C14T	
		Reverse	T1-, T8G	
1	GU117662	Forward	C1-, C2-, G16T	Not Detected
		Probe	G3T, C4-, C5-, A6-, C7-, C8-, C14T, A18G	
		Reverse	T8G	
1	GU117669	Forward	C1-, C2-, G16T	Not Detected
		Probe	G3T, C4-, C5-, A6-, C7-, C8-, A15G	
		Reverse	T8G	
1	AY835690	Forward	C1-, C2-, C3-, A4-, G5-, A6-, C15T, G16T, A20G	Not Detected
		Probe	T2A, C8T	
		Reverse	T7C, A22G	
63	63	Forward	C1-, C2-, G5C, G16T	Not Detected
		Probe	G3T, C4-, C5-, A6-, C7-, C8-, C14T	
		Reverse	T1-, T8G	
3	PQ405157 JQ956168 KT810571	Forward	C1-, C2-, G5C, G16T	Not Detected
		Probe	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, C14T	
		Reverse	T1-, T8G	
1	KT814758	Forward	C1-, A6G, G9-, C15T	Not Detected
		Probe	G3T, C4-, C5-, A6-, C7-, C8-, C14T	
		Reverse	T8G	

#Accessions	#Accession Details	Oligo	Mutation	Impact
1	EU050980	Forward	C1-, C2-, G16T	Not Detected
		Probe	G3-, C4-, C5-, A6-, C7-, C8T	
		Reverse	T8G, +17C	
1	KT815372	Forward	C1-, G16T	Not Detected
		Probe	G3T, C4-, C5-, A6-, C7-, C8-, C14T	
		Reverse	T8G	
13	GQ365811 GQ365826 GQ365835 KP269634 GQ365817 GQ365808 GQ365813 KP269305 KP269270 GQ365819 KP269577 JF730836 GQ365800	Forward	C1-, C2-, C3-, A4-, G5-, G16T	Not Detected
		Probe	G3T, C4-, C5-, A6-, C7-, C8-, C14T	
		Reverse	T1-, T8G	
1	KT818233	Forward	C1-, C2-, G16T, G18A, A19G	Not Detected
		Probe	G3T, C4-, C5-, A6-, C7-, C8-	
		Reverse	T8G	
1	KT818495	Forward	C1-, C2-, G5C, G16T	Not Detected
		Probe	G3T, C4-, C5-, A6-, C7-, C8-, C14T	
		Reverse	T8G	
1	GQ365846	Forward	C1-, C2-, G9A, G16T	Not Detected
		Probe	G3T, C4-, C5-, A6-, C7-, C8-	
		Reverse	T5C, T8G	
1	KT817732	Forward	C1-, C2-, C8A, G9T, G16T, A20G	Not Detected
		Probe	G3T, C4-, C5-, A6-, C7-, C8-, C14T	
		Reverse	T8G	
1	GQ365830	Forward	C1-, C2-, G5A, G16T	Not Detected
		Probe	G3T, C4-, C5-, A6-, C7-, C8-, G19C	
		Reverse	T8G	
1	PQ406083	Forward	C1-, G5C, G16T	Not Detected
		Probe	G3-, C4-, C5-, A6-, C7-, C8T, C14T	
		Reverse	T1-, T8G	
1	KT812896	Forward	C1-, C2-, G16T	Not Detected
		Probe	G3-, C4-, C5-, A6-, C7-, C8T, C14T	
		Reverse	T7C, T8G	
1	KT810480	Forward	C1-, C2-, C3-, C15T, G16T	Not Detected
		Probe	G3T, C4-, C5-, A6-, C7-, C8-, C14T	
		Reverse	T8G	
1	KT813457	Forward	C1-, C2-, G16T	Not Detected

#Accessions	#Accession Details	Oligo	Mutation	Impact
		Probe	G3-, C4-, C5-, A6-, C7-, C8T, C14T	
		Reverse	T8G, +17C	
2	HQ865101 KT814715	Forward	C1-, C2-, G16T	Not Detected
		Probe	G3T, C4-, C5-, A6-, C7-, C8-, C14T	
		Reverse	T1-, A2-, A3-, A4-, T5-, A6-, T7-, T8-	
1	HQ865345	Forward	C1-, C2-, T11C, G16T	Not Detected
		Probe	G3-, C4-, C5-, A6-, C7-, C8T	
		Reverse	T8G, +17C	
1	KT812502	Forward	C1-, C2-, G16T	Not Detected
		Probe	G3T, C4-, C5-, A6-, C7-, C8-, C14T	
		Reverse	T8G, +11C	
1	LC165119	Forward	C1-, C2-, C3-, A4-, G5-, C15T	Not Detected
		Probe	G3T, C4-, C5-, A6-, C7-, C8-, C14T	
		Reverse	T1-, T8G	
1	JF730870	Forward	C1-, C2-, G5C, G16T	Not Detected
		Probe	G3-, C4-, C5-, A6-, C7-, C8T, C14T	
		Reverse	T1-, A2-, T8G	
1	KP270368	Forward	C1-, G5C, G16T	Not Detected
		Probe	G3-, C4-, C5-, A6-, C7-, C8T, C14T, A15G	
		Reverse	T1-, T8G	
2	AJ564767 AY295583	Forward	C1-, C2-, G16T	Not Detected
		Probe	G3T, C4-, C5-, A6-, C7-, C8-	
		Reverse	T8G, A22G	
175	175	Forward	C1-, G5C, G16T	Not Detected
		Probe	G3-, C4-, C5-, A6-, C7-, C8T, C14T	
		Reverse	T1-, T8G, A22G	
1	LC150057	Forward	C1-, A6T, C15T, A20G	Not Detected
		Probe	C1-, C4A, A6C, C8T	
1	KT815275	Forward	C1-, C2-, G5C, G16T	Not Detected
		Probe	G3T, C4-, C5-, A6-, C7-, C8-, C14T	
		Reverse	T7C, A22G	
1	AY665027	Forward	C1-, C2-, G5C, G16T	Not Detected
		Probe	G3-, C4-, C5-, A6-, C7-, C8T, C14T	
		Reverse	T1-, T8G, A9G	
1	GQ365805	Forward	C1-, C2-, G5C, G16T, A20G	Not Detected
		Probe	G3T, C4-, C5-, A6-, C7-, C8-, C14T	
		Reverse	T1-, T8G	
18	18	Forward	G5C, G16T	Not Detected
		Probe	G3-, C4-, C5-, A6-, C7-, C8T, C14T	

#Accessions	#Accession Details	Oligo	Mutation	Impact
		Reverse	T1-, T8G, A22G	
<u>1</u>	HQ865047	Forward	C1-, G5C, G16T	Not Detected
		Probe	G3-, C4-, C5-, A6-, C7-, C8T, C14T	
		Reverse	T8G, A22G	
<u>7</u>	PQ405725 MK003139 HQ869575 JN692683 GU117665 GQ365859 KJ763494	Forward	C1-, C2-, C3-, A4-, G5-, G16T	Not Detected
		Probe	G3-, C4-, C5-, A6-, C7-, C8T, C14T	
		Reverse	T1-, T8G	
<u>2</u>	KT816108 HQ864994	Forward	C1-, G5C, G16T	Not Detected
		Probe	G3-, C4-, C5-, A6-, C7-, C8T, C14T	
		Reverse	T7C, T8G	
<u>1</u>	MT531074	Forward	C1-, A6G, T7A, G9T, C15T, G16T	Not Detected
		Probe	G3-, C4-, C5-, A6-, C7-	
		Reverse	T7C	
<u>1</u>	MH914332	Forward	C1-, C2-, C3-, G16T	Not Detected
		Probe	G3T, C4-, C5-, A6-, C7-, C8-	
		Reverse	T8G, C17-	
<u>1</u>	KT811964	Forward	C1-, C2-, G16T	Not Detected
		Probe	G3-, C4-, C5-, A6-, C7-, C8T, C14T	
		Reverse	T1-, A2-, A3-, A4-, T5-, A6-, T7-, T8-, A9-, G12A, A22G	
<u>1</u>	MH913717	Forward	C1-, C2-, G5C, G16T	Not Detected
		Probe	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, C14T	
		Reverse	T7C, T8G	
<u>2</u>	KT818470 KT817620	Forward	C1-, C2-, G16T	Not Detected
		Probe	G3T, C4-, C5-, A6-, C7-, C8-, C14T	
		Reverse	T8G, T11C, G12T, C13G	
<u>2</u>	GU824549 KT811510	Forward	C1-, C2-, C15T, G16T	Not Detected
		Probe	C1-, A6-, C7T, C8T	
		Reverse	T1-, T7C, T8G, T11C	
<u>1</u>	KT814636	Forward	C1-, C2-, C3-, A4-, G5-, A6-, C15T	Not Detected
		Probe	G3T, C4-, C5-, A6-, C7-, C8-, C14T	
		Reverse	T1-, T8G	
<u>1</u>	KT814676	Forward	C1-, C2-, G16T	Not Detected
		Probe	G3T, C4-, C5-, A6-, C7-, C8-	
		Reverse	T8G, G12C, C13G	
<u>1</u>	KT814536	Forward	C1-, C2-, G5C, G16T	Not Detected
		Probe	G3T, C4-, C5-, A6-, C7-, C8-, C14T	
		Reverse	T7C	

#Accessions	#Accession Details	Oligo	Mutation	Impact
1	MH009209	Forward	C1-, C2-, C3-, A4-, G5-, A6-, G9T, C15T, G16T, A20G	Not Detected
		Probe	T2A, C8T	
		Reverse	T7C, A22G	
1	KT818195	Forward	G5C, G16T	Not Detected
		Probe	G3-, C4-, C5-, A6-, C7-, C8T, C14T	
		Reverse	T1-, A2-, T8G, A22G	
1	GQ365829	Forward	C1-, G5T, G16T	Not Detected
		Probe	G3-, C4-, C5-, A6-, C7-, C8T, C14T	
		Reverse	T1-, T8G, A22G	
Acanthamoeba griffini/29195 Analyzed Accessions: 8				
6	U07412 MF100899 S81337 KY072779 KF010846 HQ007040	NA	No Mutations	Detected
1	AF239295	Reverse	+17C	Detected
1	PV770126	Forward	C1-, C2-	Detected
		Probe	C4-, C5-	
2	KR872644 KR872643	Forward	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-	limited coverage (excluded)
2	KC694190 KJ446979	Forward	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-, A13-	limited coverage (excluded)
1	OK641894	Forward	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-, A13-, C14-	limited coverage (excluded)
1	KY488310	Forward	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T17G	limited coverage (excluded)
1	KY488312	Forward	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-, A13-, C14-, C15-, G16-, T17-, G18-	limited coverage (excluded)
1	KY488311	Forward	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-, A13-, C14-, C15-, G16-, T17-	limited coverage (excluded)
10	OM522832 PP767337 PP767334 PP767336 KF914142 GU553135 LC883922 LC883913 PP800745 OM522833	Forward	Forward Missing	limited coverage (excluded)

#Accessions	#Accession Details	Oligo	Mutation	Impact
1	MZ314026	Forward	Forward Missing	limited coverage (excluded)
		Probe	C8A	
		Reverse	T1-, A2-, C17-	
1	LC883916	Forward	Forward Missing	limited coverage (excluded)
		Probe	C1-, T2-, G3-, C4-, C5-, A6-	
1	KJ446980	Forward	Forward Missing	limited coverage (excluded)
		Probe	C5A, A6G, A15-	
Acanthamoeba palestinensis/28015 Analyzed Accessions: 8				
6	AF260719 AF019063 AF239296 U07411 PP853467 L09599	NA	No Mutations	Detected
2	KC694192 KC694193	Forward	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-	Detected
1	MN093970	Forward	Forward Missing	limited coverage (excluded)
		Probe	C1-, T2-	
13	GU573875 GU597010 GU573874 GU597012 GU597004 GU597009 GU597011 PV032165 GU597007 GU597002 GU597003 PP835525 PP707070	Forward	Forward Missing	limited coverage (excluded)
1	KY981793	Forward	Forward Missing	limited coverage (excluded)
		Probe	+2A	
1	GU597008	Forward	Forward Missing	limited coverage (excluded)
		Reverse	T11A	
1	GU573873	Forward	Forward Missing	limited coverage (excluded)
		Probe	T2G, A6-	
1	KU364623	Forward	Forward Missing	limited coverage (excluded)
		Probe	C1-, T2-, G3-, C4-, C5-	
1	PP835523	Forward	Forward Missing	limited coverage (excluded)
		Probe	+17T	
		Reverse	+17G	
1	PP339686	Forward	Forward Missing	limited coverage (excluded)
		Probe	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-, A11-, T12-, A13-	
Acanthamoeba triangularis/146752 Analyzed Accessions: 6				

#Accessions	#Accession Details	Oligo	Mutation	Impact
4	MZ310461 MN153012 AF316547 AF346662	NA	No Mutations	Detected
1	KX232518	Forward	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-	Detected
1	MW647650	Forward	G5A, G9-	Detected
1	OP315258	Forward	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-, A13-, C14-, C15-, G16-, T17-, G18-	limited coverage (excluded)
1	LR757994	Reverse	Reverse Missing	limited coverage (excluded)
8	PP356074 PP356073 OK042103 PQ380148 PQ363041 PQ380149 PQ676265 PV235316	Forward	Forward Missing	limited coverage (excluded)
1	OQ679417	Forward	Forward Missing	limited coverage (excluded)
		Probe	C1-, T2-, G3-, C4-	
1	OK042098	Forward	Forward Missing	limited coverage (excluded)
		Probe	A6-, A15-	
		Reverse	+17G	
1	PQ676296	Forward	Forward Missing	limited coverage (excluded)
		Probe	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-, A11-, T12-, A13-, C14-, A15-, T16-, T17-, A18-, G19-, C20-, A21-	
uncultured Eimeriidae/404735 Analyzed Accessions: 6				
5	EF023541 EF023774 EF023694 EF023643 EF023500	NA	No Mutations	Detected
1	EF023692	Reverse	T1-, T8A, +19A, C24T	Not Detected
uncultured amoeba/415944 Analyzed Accessions: 5				
5	MT319997 MT320001 MT320000 MT274372 MT319991	NA	No Mutations	Detected
7	MT320007 MT320006 MT319995 MT320012 MT319998 MT319994 MT319993	Forward	Forward Missing	limited coverage (excluded)
1	MT320009	Forward	Forward Missing	limited coverage

#Accessions	#Accession Details	Oligo	Mutation	Impact
		Probe	T2A, A15-	(excluded)
1	MT319992	Forward	Forward Missing	limited coverage (excluded)
		Probe	C1-, T2-, G3-, C4-, C5-, A6-, A15C	
Acanthamoeba healyi/65661 Analyzed Accessions: 5				
3	PV809663 AF019070 MK713915	NA	No Mutations	Detected
1	MK713914	Probe	A6C	Detected
1	MK713906	Forward	C8A, G9C	Not Detected
		Probe	A6C, A15C	
2	OK042102 PP356067	Forward	Forward Missing	limited coverage (excluded)
1	MG386314	Forward	Forward Missing	limited coverage (excluded)
		Probe	C1-, T2-, G3-, C4-, C5-, A6-	
Acanthamoeba lugdunensis/61605 Analyzed Accessions: 4				
4	KY072781 AF260718 PP339678 AF005995	NA	No Mutations	Detected
3	OM455402 OM455401 OR263303	Forward	Forward Missing	limited coverage (excluded)
Acanthamoeba rhyodes/32599 Analyzed Accessions: 4				
3	U07406 AF260720 AY351644	NA	No Mutations	Detected
1	PP339691	Forward	C1-, C2-, C3-, A4-	Detected
1	PP339688	Forward	Forward Missing	limited coverage (excluded)
Acanthamoeba cf. healyi/682864 Analyzed Accessions: 4				
2	GQ996533 GQ996532	NA	No Mutations	Detected
1	GQ996530	Forward	A13T	Detected
		Reverse	C17A, A18C	
1	GU016571	Forward	C1-, C2-, A13T, C15-, G18C	Not Detected
3	GU199436 GU199435 GU199437	Forward	Forward Missing	limited coverage (excluded)
1	GU199433	Forward	Forward Missing	limited coverage (excluded)
		Probe	A6C, A21-	

#Accessions	#Accession Details	Oligo	Mutation	Impact
		Reverse	+11C	
1	GU199434	Forward	Forward Missing	limited coverage (excluded)
		Probe	C1-, A6-, A21-	
		Reverse	+11C	
Acanthamoeba astronyxis/65658 Analyzed Accessions: 3				
3	AF239293 AY026242 MN239988	NA	No Mutations	Detected
1	AF019064	Reverse	Reverse Missing	limited coverage (excluded)
Acanthamoeba stevensoni/65664 Analyzed Accessions: 3				
3	PV959962 AF019069 MK713912	NA	No Mutations	Detected
1	PX272270	Forward	Forward Missing	limited coverage (excluded)
Acanthamoeba mauritaniensis/196912 Analyzed Accessions: 2				
1	AY351647	NA	No Mutations	Detected
1	HG797019	Forward	C8T, G9T, T10C	Detected
3	LC883921 LC883915 LC883914	Forward	Forward Missing	limited coverage (excluded)
1	PV567164	Forward	Forward Missing	limited coverage (excluded)
		Probe	C1-, T2-, G3-, C4-, C5-, T12C	
Acanthamoeba divionensis/202919 Analyzed Accessions: 2				
1	AY351645	NA	No Mutations	Detected
1	AY351646	Probe	T2C, +19T	Detected
1	AY703021	Reverse	Reverse Missing	limited coverage (excluded)
Acanthamoeba royreba/32600 Analyzed Accessions: 2				
2	U07417 AF239299	NA	No Mutations	Detected
Comandonia/158895 Analyzed Accessions: 2				
1	AB425954	NA	No Mutations	Detected
1	AB425956	Probe	C8T	Detected
uncultured fungus/175245 Analyzed Accessions: 1				
1	KU352716	Reverse	T1-, A2-, A3-, A4-	Detected
1	KU352718	Forward	Forward Missing	limited coverage (excluded)
		Reverse	T1-, A2-	

#Accessions	#Accession Details	Oligo	Mutation	Impact
1	KU352717	Forward	Forward Missing	limited coverage (excluded)
		Reverse	Reverse Missing	
Acanthamoeba pearcei/65662 Analyzed Accessions: 1				
1	AF019053	NA	No Mutations	Detected
1	GU573879	Forward	Forward Missing	limited coverage (excluded)
Vermamoeba vermiformis/5778 Analyzed Accessions: 1				
1	MT071778	Forward	C1-, C2-, C3-, A4-, G5-	Detected
		Probe	+1C	
1	PP872523	Forward	Forward Missing	limited coverage (excluded)
		Probe	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-, A11-, T12-, A13-, C14-, A15-, T16-, T17-, A18-, G19-, C20-, A21-, T22-	
1	PP872537	Forward	Forward Missing	limited coverage (excluded)
		Probe	C1-, T2-, G3-, C4-, C5-, A6-, C7-	
Acanthamoeba pustulosa/65663 Analyzed Accessions: 1				
1	AF019050	NA	No Mutations	Detected
Comandonia operculata/158896 Analyzed Accessions: 1				
1	AY033896	NA	No Mutations	Detected
Acanthamoeba terricola/196913 Analyzed Accessions: 1				
1	OP738383	NA	No Mutations	Detected
Acanthamoeba echinulata/306324 Analyzed Accessions: 1				
1	AY703022	NA	No Mutations	Detected
soil amoeba AND32/328359 Analyzed Accessions: 1				
1	AY965873	NA	No Mutations	Detected
Acanthamoebidae sp. EO-2012/1173418 Analyzed Accessions: 1				
1	JQ361081	NA	No Mutations	Detected
Acanthamoeba micheli/1675013 Analyzed Accessions: 1				
1	KP711387	NA	No Mutations	Detected
Acanthamoeba pyriformis/1899168 Analyzed Accessions: 1				
1	KX840327	Probe	C4T, C8T	Detected
Acanthamoeba byersi/2506114 Analyzed Accessions: 1				
1	MN153028	NA	No Mutations	Detected
uncultured marine eukaryote/203449 Analyzed Accessions: 52				
10	HM857152 LR217671 DQ918272 KC771198 LR217673 GU218747 LR217672 HM857307	Forward	C1-, C2-, G16T	Not Detected
		Probe	G3T, C4-, C5-, A6-, C7-, C8-	
		Reverse	T8G	

#Accessions	#Accession Details	Oligo	Mutation	Impact
	GQ344709 EF526897			
2	GU218704 GU218752	Forward	C1-, C2-, C3-, G16T	Not Detected
		Probe	G3T, C4-, C5-, A6-, C7-, C8-	
		Reverse	T8G	
1	DQ119994	Forward	C1-, C2-, G5C, G16T	Not Detected
		Probe	G3T, C4-, C5-, A6-, C7-, C8-	
		Reverse	T1-, T8G	
5	GQ383101 HM857086 DQ917977 DQ120001 DQ120000	Forward	C1-, G5C, G16T	Not Detected
		Probe	G3T, C4-, C5-, A6-, C7-, C8-, C14T	
		Reverse	T1-, T8G	
1	EF526718	Forward	C1-, C2-, G5C, G16T	Not Detected
		Probe	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, C14T	
		Reverse	T1-, T8G	
5	GQ382535 DQ918262 DQ917959 DQ119995 AY426930	Forward	C1-, C2-, G5C, G16T	Not Detected
		Probe	G3T, C4-, C5-, A6-, C7-, C8-, C14T	
		Reverse	T1-, T8G	
1	DQ918833	Forward	C1-, C2-, G16T	Not Detected
		Probe	G3T, C4-, C5-, A6-, C7-, C8-	
		Reverse	T8G, C15T	
1	KX532255	Forward	C1-, C2-, G5C, G16T	Not Detected
		Probe	G3T, C4-, C5-, A6-, C7-, C8-, C14T	
		Reverse	T7C, T8G	
3	EU562081 HM857064 HM857131	Forward	C1-, C2-, C3-, A4-, G5-, G16T	Not Detected
		Probe	G3-, C4-, C5-, A6-, C7-, C8T, C14T	
		Reverse	T1-, T8G	
2	DQ119999 GQ344796	Forward	G5C, G16T	Not Detected
		Probe	G3-, C4-, C5-, A6-, C7-, C8T, C14T	
		Reverse	T1-, T8G, A22G	
21	21	Forward	C1-, G5C, G16T	Not Detected
		Probe	G3-, C4-, C5-, A6-, C7-, C8T, C14T	
		Reverse	T1-, T8G, A22G	
Protacanthamoeba bohemica/325062 Analyzed Accessions: 25				
23	23	Probe	C1T, T2C, A6G, C7T, C8T, A15G, T17C	Not Detected
		Reverse	T8C, A9G	
1	MZ314573	Probe	C1T, T2C, A6G, C7T, C8T, A15G, T17C	Not Detected
		Reverse	T8C, A9G, +19A	
1	MZ314572	Probe	T2G, G3C, A6G, C7T, C8T, A15G, T17C, +12TGA	Not Detected
		Reverse	T8C, A9G	

#Accessions	#Accession Details	Oligo	Mutation	Impact
Telonema/232264 Analyzed Accessions: 19				
5	PV654197 MN165852 PQ770954 KT878678 FN690702	Forward	C1-, C2-, G16T	Not Detected
		Probe	G3T, C4-, C5-, A6-, C7-, C8-	
		Reverse	T8G	
1	FN690700	Forward	C1-, C2-, C3-, A4-, G5-, G16T	Not Detected
		Probe	G3T, C4-, C5-, A6-, C7-, C8-	
		Reverse	T8G	
1	MZ687562	Forward	C1-, C2-, G5C, G16T	Not Detected
		Probe	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, C14T	
		Reverse	T1-, T8G	
6	AM418563 HM135058 KX998760 HQ191315 KX998784 HM135068	Forward	C1-, C2-, G5C, G16T	Not Detected
		Probe	G3T, C4-, C5-, A6-, C7-, C8-, C14T	
		Reverse	T1-, T8G	
1	KX998769	Forward	C1-, C2-, G5C, G16T	Not Detected
		Probe	C5T, A6T, C7-, C8-, C14T	
		Reverse	T1-, T8G	
1	HQ191379	Forward	C1-, C2-, C3-, A4-, G5-, G16T	Not Detected
		Probe	G3T, C4-, C5-, A6-, C7-, C8-, C14T	
		Reverse	T1-, T8G	
1	HQ191417	Forward	C1-, C2-, G5C, T11C, G16T	Not Detected
		Probe	G3T, C4-, C5-, A6-, C7-, C8-, C14T	
		Reverse	T1-, T8G	
1	AM418562	Forward	C1-, C2-, C3-, A4-, G5-, G16T	Not Detected
		Probe	G3-, C4-, C5-, A6-, C7-, C8T, C14T	
		Reverse	T1-, T8G	
2	JF698774 MZ687501	Forward	C1-, G5C, G16T	Not Detected
		Probe	G3-, C4-, C5-, A6-, C7-, C8T, C14T	
		Reverse	T1-, T8G, A22G	
uncultured Telonemida/876688 Analyzed Accessions: 16				
2	HM561272 HM561271	Forward	C1-, C2-, G16T	Not Detected
		Probe	G3T, C4-, C5-, A6-, C7-, C8-, C14T	
		Reverse	T8G	
1	KC488612	Forward	C1-, G16T	Not Detected
		Probe	G3T, C4-, C5-, A6-, C7-, C8-	
		Reverse	T8G	
1	KC488613	Forward	C1-, C2-, G16T	Not Detected
		Probe	G3T, C4-, C5-, A6-, C7-, C8-	
		Reverse	T8G	

#Accessions	#Accession Details	Oligo	Mutation	Impact
5	KC488620 KC488619 KC488617 HM561278 HE655302	Forward	C1-, C2-, G5C, G16T	Not Detected
		Probe	G3T, C4-, C5-, A6-, C7-, C8-, C14T	
		Reverse	T1-, T8G	
7	HM561274 KC488615 HM561275 KC488614 KC488611 KC488618 KC488616	Forward	C1-, G5C, G16T	Not Detected
		Probe	G3-, C4-, C5-, A6-, C7-, C8T, C14T	
		Reverse	T1-, T8G, A22G	
uncultured <i>Telonemia</i> /660927 Analyzed Accessions: 7				
2	FJ537314 FJ537495	Forward	C1-, G5C, G16T	Not Detected
		Probe	G3T, C4-, C5-, A6-, C7-, C8-, C14T	
		Reverse	T1-, T8G	
1	MK618740	Forward	C1-, C2-, G5C, G16T	Not Detected
		Probe	G3T, C4-, C5-, A6-, C7-, C8-, C14T	
		Reverse	T1-, T8G	
2	HQ222559 HQ222558	Forward	C1-, G5C, G16T	Not Detected
		Probe	G3T, C4-, C5-, A6-, C7-, C8-, C14T	
		Reverse	T1-, A2-, A3-, T8G	
2	HQ222556 HQ222555	Forward	C1-, G5C, G16T	Not Detected
		Probe	G3-, C4-, C5-, A6-, C7-, C8T, C14T	
		Reverse	T1-, T8G, A22G	
Telonema subtile/232287 Analyzed Accessions: 5				
5	AY295352 OM388565 PV654198 AJ564772 AJ564771	Forward	C1-, C2-, G16T	Not Detected
		Probe	G3T, C4-, C5-, A6-, C7-, C8-	
		Reverse	T8G	
uncultured marine Telonemida/589440 Analyzed Accessions: 5				
1	JF826324	Forward	C1-, C2-, G16T	Not Detected
		Probe	G3T, C4-, C5-, A6-, C7-, C8-, T22C	
		Reverse	T8G	
1	FJ431683	Forward	C1-, G5C, G16T	Not Detected
		Probe	G3T, C4-, C5-, A6-, C7-, C8-, C14T	
		Reverse	T1-, T8G	
1	FJ431698	Forward	C1-, C2-, G16T	Not Detected
		Probe	G3T, C4-, C5-, A6-, C7-, C8-	
		Reverse	T8G, C17T	
2	FJ431720 FJ431668	Forward	C1-, G5C, G16T	Not Detected
		Probe	G3-, C4-, C5-, A6-, C7-, C8T, C14T	
		Reverse	T1-, T8G, A22G	
Coronamoeba villafranca/2936289 Analyzed Accessions: 5				

#Accessions	#Accession Details	Oligo	Mutation	Impact	
5	ON261614 ON261612 ON261616 ON261613 ON261618	Forward	C1-, C2-, C3-, A4-, G5-, A6-, G9T, C15T, G16T, A20G	Not Detected	
		Probe	T2A, C8T		
		Reverse	T7C, A22G		
		marine plankton environmental sample/632957 Analyzed Accessions: 4			
4	KT012824 KT012928 KT012973 KT012960	Forward	C1-, G5C, G16T	Not Detected	
		Probe	G3-, C4-, C5-, A6-, C7-, C8T, C14T		
		Reverse	T1-, T8G, A22G		
		uncultured microeukaryote/340210 Analyzed Accessions: 2			
1	JN705539	Reverse	T7C, T8C, C13T	Not Detected	
1	JN705540	Forward	G16T	Not Detected	
		Probe	C1T, C7T, C8T		
		Reverse	T7C, T8C, C13T		
		Stygamoeba regulata/1042828 Analyzed Accessions: 2			
2	JF694285 MN547357	Forward	C1-, A6T, C15T, A20G	Not Detected	
		Probe	C1-, C4A, A6C, C8T		
		Allomyces/28581 Analyzed Accessions: 1			
		1	KJ464416		Forward
Probe	C1T, A6T, C7-, C8-, C14T, A15C				
Reverse	T7C				
Allomyces moniliformis/64506 Analyzed Accessions: 1					
1	HQ888688	Forward	A6C, T7A, C15T, G16T	Not Detected	
		Probe	C1T, A6T, C7-, C8-, C14T, A15C		
		Reverse	T7C		
		Allomyces neomoniliformis/64507 Analyzed Accessions: 1			
1	HQ888689	Forward	A6C, T7A, C15T, G16T	Not Detected	
		Probe	C1T, A6T, C7-, C8-, C14T, A15C		
		Reverse	T7C		
		Acanthamoeba comandoni/65659 Analyzed Accessions: 1			
1	AF239294	Reverse	C25T	Not Detected	
Telonema antarcticum/232288 Analyzed Accessions: 1					
1	KY980049	Forward	C1-, G5C, G16T	Not Detected	
		Probe	G3-, C4-, C5-, A6-, C7-, C8T, C14T		
		Reverse	T1-, T8G, A22G		
		uncultured Glomeromycotina/241622 Analyzed Accessions: 1			
1	MZ479863	Forward	C1-, A6G, T7A, G9T, C15T, G16T	Not Detected	
		Probe	C1-, T2-, G3-, C4-, C5-, A6-, C7-		
		Reverse	T7C		

#Accessions	#Accession Details	Oligo	Mutation	Impact
uncultured marine picoplankton/324688 Analyzed Accessions: 1				
1	AJ965240	Forward	C1-, G5C, G16T	Not Detected
		Probe	G3-, C4-, C5-, A6-, C7-, C8T, C14T	
		Reverse	T1-, T8G, A22G	
Paradermamoeba levis/1072175 Analyzed Accessions: 1				
1	JN247435	Forward	C1-, C2-, C3-, A6T, C15T, G16T, A20G	Not Detected
		Probe	T2A	
		Reverse	T7C	
Planomonas brevis/1246797 Analyzed Accessions: 1				
1	JQ340334	Forward	C1-, C2-, T7A, C15T, G16T	Not Detected
		Probe	G3T, C4-, C5-, A6-, C7-, C8-	
Lesquereusia spiralis/1260111 Analyzed Accessions: 1				
1	JQ519508	Forward	C1-, C2-, C3-, A6T, C15T, G16T, A20G	Not Detected
		Probe	T2A, C7T, C8T, A15T, T17C	
		Reverse	T7C	
Apusozoa sp./2302699 Analyzed Accessions: 1				
1	MH755285	Forward	C1-, C2-, T7A, C15T, G16T	Not Detected
		Probe	G3T, C4-, C5-, A6-, C7-, C8-	
Arpakorses idiomastiga/2912879 Analyzed Accessions: 1				
1	OM415986	Forward	C1-, C2-, G16T	Not Detected
		Probe	G3T, C4-, C5-, A6-, C7-, C8-	
		Reverse	T8G	
Telonema tenere/2912881 Analyzed Accessions: 1				
1	OM415985	Forward	C1-, C2-, G16T	Not Detected
		Probe	G3T, C4-, C5-, A6-, C7-, C8-	
		Reverse	T8G	
Telonema rivulare/2912989 Analyzed Accessions: 1				
1	OM403114	Forward	C1-, C2-, G16T	Not Detected
		Probe	G3T, C4-, C5-, A6-, C7-, C8-	
		Reverse	T8G	
Telonemida gen. n. sp. m DR-2025/3423653 Analyzed Accessions: 1				
1	PV654195	Forward	C1-, C2-, G16T	Not Detected
		Probe	G3T, C4-, C5-, A6-, C7-, C8-	
		Reverse	T8G	
Telonemida gen. n. sp./3423901 Analyzed Accessions: 1				
1	PV654196	Forward	C1-, C2-, G16T	Not Detected
		Probe	G3T, C4-, C5-, A6-, C7-, C8-	
		Reverse	T8G	
Telonemida gen. n. sp. c VZ-2025/3434757 Analyzed Accessions: 1				

#Accessions	#Accession Details	Oligo	Mutation	Impact
1	PV731250	Forward	C1-, G16T	Not Detected
		Probe	G3T, C4-, C5-, A6-, C7-, C8-	
		Reverse	T8G	
Acanthamoeba tubiashi/65665 Analyzed Accessions: 0				
3	MT221441 LC883907 LC883910	Forward	Forward Missing	limited coverage (excluded)
1	AF019065	Reverse	Reverse Missing	limited coverage (excluded)