

Search Details

Job Title/ Assay Name : acan5754_incl_1436	Amplicon Sequence: CCCAGATCGTTTACCGTGAAAAAATTAGAGTGTTCAAAGCAGGCAG ATCCAATTTTCTGCCACCGAATACATTAGCATGGGATAATGGAATAG GACCCTGTCCTCCTATTTTCAGTTGGTTTTGGCAGCGCGAGGACTA GGGTAATGATTAATAGGGATAGTTGGGGGCATTAATATTTA
Effective Date : 2025-10-31	Forward: CCCAGATCGTTTACCGTGAA
Database : core_nt	Reverse: TAAATATTAATGCCCCCAACTATCC
Alignment algorithm : blastN	Probe: CTGCCACCGAATACATTAGCATGG
Exclusive Organism:	Inclusive Organism: Acanthamoeba (5754)
RID: G8Z0HCMF014	Total Result: 4569
App Version: 1.0	

No of Accessions	Accession Details	Oligo	Mutation	BDS Analysis Performance Prediction
Acanthamoeba/5754 Analyzed Accessions: 1532				
1118	1118	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

No of Accessions	Accession Details	Oligo	Mutation	BDS Analysis Performance Prediction
<u>1</u>	EU683884	Reverse   	A6G	   Detected
<u>1</u>	GU586224	Probe   	T2A	   Detected
<u>1</u>	AY694139	Reverse   	T5C	   Detected
<u>1</u>	MT919356	Reverse  	A18T	  Detected
<u>1</u>	LC598503	Forward   	A13G	   Detected
<u>2</u>	PQ031363 LC604809	Forward   	G9T	   Detected
<u>1</u>	PV567165	Reverse   	A3G	   Detected
<u>1</u>	MK390854	Probe   	G19A	   Detected
<u>2</u>	MK390855 JX423605	Reverse   	A10G	   Detected
<u>10</u>	EF050504 MK726098 MZ413910 PQ431538 MZ413914 OR243669 KT934531 MZ413913 MZ413908 MZ413906	Forward   	C1-, C2-, C3-	   Detected
<u>5</u>	LC598955 JQ418503 LC598797 KP233870 MW181634	Forward   	+6A	   Detected
<u>1</u>	EF378673	Probe   	+18A	   Detected
<u>2</u>	PV567168 PV567161	Forward   	+5G	   Detected
<u>1</u>	JQ418501	Forward   	+8T	   Detected
<u>6</u>	PQ431536 PV810290 HM043808 EF050501 JX683392 MZ413903	Forward   	C1-, C2-, C3-, A4-	   Detected
<u>2</u>	MG298787 MG298792	Reverse   	T1-, A2-, A3-, A4-	   Detected

No of Accessions	Accession Details	Oligo	Mutation	BDS Analysis Performance Prediction
<u>7</u>	KM189419 MF944087 KP863883 KP863874 KM189427 LC598506 MW181640	Forward   	C8-	   Detected
<u>2</u>	JX441875 KM189380	Forward   	T7A	   Detected
<u>2</u>	MZ272077 PQ640068	Probe   	G19T	   Detected
<u>3</u>	KP233865 PQ031356 KP233866	Probe   	C1T	   Detected
<u>1</u>	LC598508	Forward   	T7C	   Detected
<u>6</u>	MG917708 JQ418507 LC598954 LC598792 EF050479 MH024491	Forward   	T7A, C8T	   Detected
<u>2</u>	GU808300 MZ686713	Reverse  	C17T	  Detected
<u>6</u>	MZ401152 MZ413902 MZ413907 MT919365 HQ236525 MZ413915	Forward   	C1-, C2-, C3-, A4-, G5-	   Detected
<u>4</u>	MW274673 JX423590 PQ031364 MW274671	Forward   	G5A	   Detected
<u>1</u>	MG298791	Reverse   	T1-, A2-, A3-, A4-, T5-	   Detected
<u>3</u>	JQ678625 JQ678626 JQ678627	Forward   	G9C, T10G	   Detected
<u>1</u>	GU808290	Reverse   	A9G	   Detected
<u>1</u>	KC164224	Probe   	G3T, T17G	   Detected
<u>1</u>	LC598504	Forward   	G5A, T7A	   Detected
<u>1</u>	KM220722	Reverse   	A9C	   Detected
<u>1</u>	EF140629	Probe   	G23A	   Detected
<u>1</u>	MW274668	Reverse   	+8T	   Detected
<u>1</u>	PV567159	Forward   	C8T, +6A	   Detected

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7	KM099394 PP835526 AB525824 KT892897 FJ042643 JX441878 HQ236521	Forward   	C1-, C2-, C3-, A4-, G5-, 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	JQ418502	Forward 	A4G, A6T, A13C	 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
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

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<u>1</u>	<u>JQ678611</u>	Forward   	A4G, T12-	   Detected
<u>2</u>	<u>AF352389</u> <u>KC822470</u>	Probe   	A6G	   Detected
<u>1</u>	<u>HG797016</u>	Probe   	A6-	   Detected
<u>1</u>	<u>PP097694</u>	Probe   	A6T, G19A	   Detected
<u>1</u>	<u>MW181632</u>	Forward   	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-	   Detected
		Probe   	C1T	
<u>1</u>	<u>EF050508</u>	Probe   	C1G, A6G	   Detected
<u>1</u>	<u>MT919376</u>	Forward   	+8C	   Detected
		Reverse  	+17C	
<u>1</u>	<u>MZ318352</u>	Probe   	G3A	   Detected
<u>1</u>	<u>PP564836</u>	Forward   	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-	   Detected
		Probe   	A6G	
<u>2</u>	<u>MH024482</u> <u>MZ686716</u>	Forward   	T12-	   Detected
<u>1</u>	<u>PV959943</u>	Probe  	+11A	  Detected
<u>1</u>	<u>PP564835</u>	Forward   	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-	   Detected
		Probe   	A6T	
<u>1</u>	<u>PV567160</u>	Reverse   	T1-	   Detected
<u>1</u>	<u>MN071407</u>	Forward 	C1-, C2-, C3-, A4-, G5-, T12-	  Detected
		Reverse  	+19A	
<u>1</u>	<u>MW274674</u>	Forward   	G5A	   Detected
		Reverse   	T1-, A2-, A3-, A4-, T5-, A6-, T7-	
<u>1</u>	<u>PP339673</u>	Forward   	G5T	   Detected
		Probe  	T12A	
		Reverse   	T1-, A2-, A3-, A4-	
<u>1</u>	<u>MN071402</u>	Forward   	C1-, C2-, C3-, A4-, G5-, A6-, T7-	   Detected
		Probe   	+17A	
		Reverse  	+19A	
<u>1</u>	<u>MN071401</u>	Forward   	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-	   Detected
		Reverse  	+19A	
<u>1</u>	<u>MN071413</u>	Forward   	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-	   Detected
		Probe  	+15T	
<u>1</u>	<u>LC598500</u>	Forward   	C8-, A13C	   Detected

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1	PQ031354	Reverse   	A6C, G12-	   Detected
1	JQ418495	Forward   	C1-, C2-, C3-, C8T	   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	KM189390	Forward   	C1-, C2-, T7C	   Detected
1	MH092266	Forward   	T7-, C8-	   Detected
1	EF378669	Forward   	C1-, C2-, G5T	   Detected
		Probe   	G19A	
1	MH092246	Forward   	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-	   Detected
		Reverse   	T1-	
1	MH092251	Forward 	C1-, C2-, C3-, A4-, T11C	  Detected
		Reverse   	T1-, A2-	
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
54	54	Probe   	+1C	   Detected
2	MF537199 MF537200	Forward   	C1-	   Detected
		Probe   	+1C	
1	MH092253	Forward   	C1-	   Detected
		Reverse  	A4C, A19T	
1	AY102615	Probe  	A11-	  Detected

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1	JQ678613	Forward   	T12-	   Detected
		Probe   	+1C	
1	MG298789	Probe   	+1C	   Detected
		Reverse   	T1-, A2-, A3-, A4-, T5-	
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	MT944203	Probe  	T16-	   Detected
		Reverse   	A10-	
1	MG298790	Forward   	T12-	   Detected
		Probe   	+1C	
		Reverse   	T1-, A2-, A3-, A4-, T5-, A6-, T7-	
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	PQ031365	Forward   	G9C, A19C, A20C	   Not Detected
1	OP164622	Forward   	T17A	  Not Detected
		Reverse  	A18G	
1	KM220712	Probe   	A18G, G24T	  Not Detected
		Reverse   	A22C	

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1	KU872065	Forward XXX	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T17G	XXX Not Detected
1	OR685534	Forward XX	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, C15G	X Not Detected
		Probe ✓✓✓	C8T	
1	EF050493	Forward XXX	A4T, C8T, T10G, T17C	XX Not Detected
		Probe ✓✓✓	C8A, T22C	
1	MK390876	Reverse XXX	T23C	XXX Not Detected
1	PV567185	Forward XX	C14G, +6A	X Not Detected
		Reverse ✓✓	A18C	
1	PV603452	Forward XXX	+17AGGAGGG	XXX Not Detected
1	JQ678612	Forward XX	C8-, +13G	X Not Detected
		Probe ✓✓✓	+2C, +6G	
		Reverse ✓✓	+17C	
1	MH024476	Forward XXX	G16C, T17G, G18T	XXX Not Detected
1	JQ678608	Forward XXX	G9C, T10G, T12C, T17C, +15C	XX Not Detected
		Probe ✓✓	+10C	
1	HG797021	Forward ✓✓✓	+8C	X Not Detected
		Probe XXX	A6C, +3GC, +17T	
		Reverse ✓✓✓	+10A	
1	AB594479	Forward ✓	C1-, C2-, A13G	X Not Detected
		Probe XX	C1T, G9-	
1	MK192686	Forward XXX	G5-, C14G, C15G	XXX Not Detected
1	MH092264	Forward XXX	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, A20C	XXX Not Detected
2	KP728282 KP728281	Forward XXX	T10A, T12A, C14A, C15A	XXX Not Detected
1	MH092260	Reverse XX	C16-, C17-	XX Not Detected
1	MZ338424	Reverse XXX	+22A	XXX Not Detected
1	MH092252	Forward XXX	C1-, C2-, C3-, A4-, G5-, A6-, T7-, A20C	XXX Not Detected
		Reverse XX	C16-, C17-	
1	MZ338427	Reverse XXX	+23T	XXX Not Detected
2	MT944207 MT944206	Probe ✓✓✓	A6-, T22-	XX Not Detected
		Reverse XXX	A18-, A19-	
1	MH092277	Forward XXX	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, A20C	XXX Not Detected
		Reverse XXX	C25G	

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1	JN555599	Forward XXX	T7A, C8T, G9C, +15T, +18T	XXX Not Detected
		Probe XX	+2T, +15A	
		Reverse XX	+12A, C20A	
1	MH092248	Forward XXX	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, A19G	XXX Not Detected
		Reverse XXX	C16T, C17G, A19C	
1	EF050507	Forward XXX	T10A, C15T, A20G, +6G	XX Not Detected
		Probe ✓✓✓	C4G, A6T	
		Reverse XX	A10G, A19G	
1	PQ640067	Forward XXX	G5T, G18A	XXX Not Detected
		Probe XXX	A6C, G9A, C14T, A15T, G19A, C20T, A21G	
		Reverse XX	G12A, C20A	
1	OP164623	Forward XXX	T12G, C15A, G16A, T17A	X Not Detected
		Probe ✓✓✓	T17G, T22A	
		Reverse ✓✓	A18G	
1	KM189423	Probe XXX	C1T, A6C, A13C	XXX Not Detected
1	KM189375	Probe XX	A13C, G19C	X Not Detected
		Reverse ✓✓✓	C13G	
1	MH092265	Forward XXX	C1-, C2-, C3-, A4-, A19C, A20C	XXX Not Detected
		Reverse XXX	A3C, A10G, C16-, C17-, A18-	
1	KF294892	Forward XXX	A6T, C8T, G18A	XXX Not Detected
		Probe XXX	G3C, A10C, T16C	
		Reverse XXX	A18C, A19C	
1	HQ236502	Forward XXX	C1-, C2-, C3-, A4-, G5-, +13T, +19TT	X Not Detected
		Probe ✓✓✓	+3G, +19T	
		Reverse ✓✓✓	T1-, A2-	
1	MT944202	Probe XXX	C1-, T2-, A6-, T17-, T22-	XX Not Detected
		Reverse ✓✓	A19-	
1	MG945020	Forward XXX	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, A13T, T17C	XXX Not Detected
1	PQ640069	Forward ✓✓✓	G5T, G9T	XX Not Detected
		Probe XXX	A6C, G9A, C14T, A15T, G19A, C20T, A21G	
		Reverse XXX	T11A, G12A, C20A, C24A	
1	MG945021	Forward X	C1-, G5C, C8G, A13T	X Not Detected
1	KM189421	Probe XXX	C8G, A13C, T22G	XXX Not Detected
		Reverse XXX	C24T	
1	MT944204	Probe XXX	C1-, G3C, T16-, T17-	XX Not Detected
		Reverse ✓✓	A19-	

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1	AY702998	Reverse XXX	T1-, A2-, A3-, A4-, T5-, A6-, T7-, T8-, A9-, A10-, T11-, G12-, C17T, A22T, C25G	XXX Not Detected
1	KM189417	Probe XX	C8G, A13C	X Not Detected
		Reverse ✓✓	A18C	
1	KM189426	Probe XXX	G3C, A6C, A13C, G19C	XXX Not Detected
		Reverse XXX	C13G, A18C, A22T, C24T	
1	PQ640070	Forward ✓✓✓	G5T, G9T	XX Not Detected
		Probe XXX	A6C, G9A, C14T, A15T, G19A, C20T, A21G, G24A	
		Reverse XXX	T1-, T11A, G12A, A19C, C24A	
1	MT944205	Forward XXX	T17-	XX Not Detected
		Probe XXX	G3C, A6-, C7-, A13G, T22G, G24-	
		Reverse ✓✓	A19-	
1	PQ640071	Forward X	G5C, C8A, G9T	XX Not Detected
		Probe XXX	A6C, G19T, G24T	
1	JQ268245	Probe XXX	C1T, T2C, A6G, C7T, C8T, A15G, T17C	XX Not Detected
		Reverse ✓✓✓	T8C, A9G	
1	MH087090	Forward XXX	G5T, G9T, T17A	XXX Not Detected
		Probe XXX	A6C, G9A, C14T, A15T, G19A, C20T, A21G	
		Reverse XXX	T11A, A19C, C20A, C24A	
1	PQ640072	Forward XXX	C1-, C2-, C3-, A4-, G5-, C8A, T17C	XX Not Detected
		Probe XXX	A6C, A18T, G19T, G24T	
		Reverse ✓✓	T8A, A19T	
2	OP678034 OP678033	Probe XXX	T2A, C4G, +8ACGAT	XXX Not Detected
		Reverse XXX	A18G, T21C	
1	MH087091	Forward XXX	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, G16C, T17C	XXX Not Detected
		Probe XXX	A6C, G9C, G19T, C20A	
		Reverse XX	T1-, A2-, A3-, A4-, T5-, A6-, T7-, T8-, A9-, A10-, T11-, G12-, A19T	
18	18	Forward X	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-	X limited coverage (excluded)
21	21	Forward X	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-	X limited coverage (excluded)
19	19	Forward X	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-, A13-	X limited coverage (excluded)
8	EU168077 KF928949 MF470277 MF470289 PQ431547	Forward XX	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-, A13-, C14-	XX limited coverage (excluded)

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	KP184483 MF470280 MW181629			
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)
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)
1349	1349	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	

No of Accessions	Accession Details	Oligo	Mutation	BDS Analysis Performance Prediction
1	PQ031358	Forward XXX	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-, A13-, C14-, C15-, G16-, T17-, G18-	XX limited coverage (excluded)
		Probe ✓✓✓	G3C	
1	FJ042636	Forward XXX	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-, A13-, C14-, C15-	XX limited coverage (excluded)
		Probe ✓✓✓	A6-	
8	PP564850 PP564846 JQ945984 LC427003 KF801456 JF718265 KF054072 JF718255	Forward XXX	Forward Missing	XX limited coverage (excluded)
		Probe ✓✓✓	A6G	
3	PP835515 KT897274 OR241290	Forward XXX	Forward Missing	XX limited coverage (excluded)
		Probe ✓✓✓	C1T	
1	MG298794	Forward XXX	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-, A13-, C14-, C15-, G16-, T17-, G18-	XX limited coverage (excluded)
		Reverse X	T1-, A2-, A3-, A4-, T5-, A6-, T7-, T8-, A9-, A10-	
7	AY703020 FJ815184 OP297695 GU320590 FJ815188 DQ992178 JF325888	Reverse XXX	Reverse Missing	XXX limited coverage (excluded)
3	PQ031368 KX688024 KX688025	Forward XXX	Forward Missing	XX limited coverage (excluded)
		Probe ✓✓✓	C4G	
1	MH092270	Forward X	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-, A13-	X limited coverage (excluded)
		Reverse ✓✓	+19T	
1	MH092261	Forward XXX	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, A20T	XXX limited coverage (excluded)
2	PP659696 PP659698	Forward XXX	Forward Missing	XX limited coverage (excluded)
		Probe ✓✓✓	C7G	
1	PP339685	Forward XXX	Forward Missing	XX limited coverage (excluded)
		Reverse ✓✓✓	T1-, A2-	
1	FJ422535	Forward XXX	Forward Missing	XXX limited coverage (excluded)
		Reverse XXX	T1-, A2-, A3-, A4-, T5-, A6-, T7-, T8-, A9-, A10-, T11-, G12-, C13-, C14-, C15-, C16-, C17-, A18-	
41	41	Forward XXX	Forward Missing	XX limited coverage (excluded)
		Probe ✓✓✓	+1C	
1	PP659704	Forward XXX	Forward Missing	XX limited coverage (excluded)
		Reverse X	T1-, A2-, A3-, A4-, T5-, A6-, T7-, T8-, A9-, A10-	

No of Accessions	Accession Details	Oligo	Mutation	BDS Analysis Performance Prediction
2	AB327083 AB327062	Forward XXX	Forward Missing	XX limited coverage (excluded)
		Probe ✓✓✓	G3-	
1	OQ158986	Forward XXX	Forward Missing	XX limited coverage (excluded)
		Reverse ✓✓	A18C	
27	27	Forward XXX	Forward Missing	XX limited coverage (excluded)
		Probe ✓✓✓	A6-	
1	PP339694	Forward XX	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-, A13-, C14-	X limited coverage (excluded)
		Probe ✓✓✓	G19A, T22A	
1	MH092259	Forward XXX	Forward Missing	XX limited coverage (excluded)
		Reverse ✓✓✓	T1-, A2-, A3-	
1	JQ418500	Forward XXX	Forward Missing	XX limited coverage (excluded)
		Probe ✓✓	T12A	
2	EU934050 EU934065	Forward XXX	Forward Missing	XX limited coverage (excluded)
		Probe ✓✓✓	+1T	
1	FJ042650	Forward XXX	Forward Missing	XX limited coverage (excluded)
		Probe ✓✓✓	+5C	
6	AB327070 PQ056827 HQ833434 JN399019 KR074230 OM414917	Forward XXX	Forward Missing	XX limited coverage (excluded)
		Probe ✓✓✓	C1-	
18	18	Forward XXX	Forward Missing	XXX limited coverage (excluded)
		Reverse XXX	Reverse Missing	
2	KU065133 OP937988	Forward XXX	Forward Missing	X limited coverage (excluded)
		Reverse ✓✓✓	T1-	
1	FJ158844	Forward XXX	Forward Missing	XX limited coverage (excluded)
		Probe ✓✓✓	G3T, +3GA	
1	LC085972	Forward XXX	Forward Missing	XXX limited coverage (excluded)
		Reverse XXX	T23G	
1	OP938016	Forward XXX	Forward Missing	XX limited coverage (excluded)
		Probe ✓✓	+14N	
1	MH092267	Forward XXX	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-, A13-, C14-, C15-	XXX limited coverage (excluded)
		Reverse XX	C15-, C16-, C17-	
5	EU934049 FJ158846 LC085657 HQ236501 MN227251	Forward XXX	Forward Missing	XX limited coverage (excluded)
		Probe ✓✓✓	+2T	

No of Accessions	Accession Details	Oligo	Mutation	BDS Analysis Performance Prediction
1	MZ458339	Forward XXX	Forward Missing	XX limited coverage (excluded)
		Probe ✓✓	+9C	
1	EU934058	Forward XXX	Forward Missing	XX limited coverage (excluded)
		Probe ✓✓✓	C1T, C7G	
1	MG298786	Reverse X	T1-, A2-, A3-, A4-, T5-, A6-, T7-, T8-, A9-, A10-, T11-, G12-, C13-, C14-, C15-, C16-	X limited coverage (excluded)
1	MH092263	Forward XXX	Forward Missing	X limited coverage (excluded)
		Reverse ✓✓✓	A4G	
2	LC276881 PQ069767	Forward XXX	Forward Missing	XX limited coverage (excluded)
		Probe ✓✓✓	+7A	
1	MH620479	Forward XXX	Forward Missing	XX limited coverage (excluded)
		Probe ✓✓✓	+2C	
6	KU936106 OQ940665 MW040587 MT893149 OR553737 PP741651	Forward XXX	Forward Missing	XX limited coverage (excluded)
		Probe ✓✓	+11A	
1	MG581704	Forward XXX	Forward Missing	XX limited coverage (excluded)
		Probe ✓✓✓	+2A	
2	LC086295 MZ955619	Forward XXX	Forward Missing	XX limited coverage (excluded)
		Probe ✓✓✓	G19C	
1	KF801454	Forward XXX	Forward Missing	X limited coverage (excluded)
		Reverse ✓✓✓	A10G	
1	FJ042638	Forward XXX	Forward Missing	XX limited coverage (excluded)
		Probe ✓✓	+9G	
2	PP564849 LC426995	Forward XXX	Forward Missing	XX limited coverage (excluded)
		Probe ✓✓	A13C	
3	HQ236505 HQ236509 HQ236503	Forward XXX	Forward Missing	XX limited coverage (excluded)
		Probe ✓✓✓	G3T, C4T	
5	MH791006 MH791003 MH791005 MW866553 MH791009	Forward XXX	Forward Missing	XX limited coverage (excluded)
		Probe ✓✓✓	C5-	
1	KF886751	Forward XXX	Forward Missing	XX limited coverage (excluded)
		Probe ✓✓✓	T22A	
1	PP659708	Forward XXX	Forward Missing	XX limited coverage (excluded)
		Reverse X	T1-, A2-, A3-, A4-, T5-, A6-, T7-, T8-, A9-, A10-, T11-	

No of Accessions	Accession Details	Oligo	Mutation	BDS Analysis Performance Prediction
<u>1</u>	MW866563	Forward XXX	Forward Missing	XX limited coverage (excluded)
		Probe ✓✓✓	G24C	
<u>1</u>	PP978905	Forward XXX	Forward Missing	XX limited coverage (excluded)
		Probe ✓✓	A13T	
<u>1</u>	PP659718	Forward XXX	Forward Missing	XXX limited coverage (excluded)
		Reverse XX	T1-, A2-, A3-, A4-, T5-, A6-, T7-, T8-, A9-, A10-, T11-, G12-, C13-, C14-, C15-, C16-, A19G	
<u>1</u>	MH092245	Forward XXX	Forward Missing	XX limited coverage (excluded)
		Reverse ✓✓✓	T1-, A2-, A3-, A4-	
<u>1</u>	PV800001	Forward XXX	Forward Missing	XXX limited coverage (excluded)
		Probe XX	G19C, +8CG	
<u>7</u>	LC122510 EU934047 OP164617 MW866538 OP164613 KU894804 GQ999994	Forward XXX	Forward Missing	XX limited coverage (excluded)
		Probe ✓✓✓	C8-	
<u>1</u>	EU934056	Forward XXX	Forward Missing	XX limited coverage (excluded)
		Probe ✓✓✓	C8-, +2T	
<u>1</u>	HQ236528	Forward XXX	Forward Missing	XXX limited coverage (excluded)
		Probe XXX	T2G, C4T, +4T	
<u>3</u>	OR940143 PP957191 MW664342	Forward XXX	Forward Missing	XX limited coverage (excluded)
		Probe ✓✓✓	+22C	
<u>1</u>	MW040580	Forward XXX	Forward Missing	XX limited coverage (excluded)
		Probe ✓✓✓	A6-	
		Reverse XXX	A22T	
<u>3</u>	EF050469 EF050473 EF050483	Forward XXX	Forward Missing	XXX limited coverage (excluded)
		Probe XX	A6-, A13-	
<u>1</u>	PX112738	Forward XXX	Forward Missing	XX limited coverage (excluded)
		Probe ✓✓✓	+16G	
<u>1</u>	MG891744	Forward XXX	Forward Missing	XX limited coverage (excluded)
		Probe ✓✓✓	+18C	
<u>1</u>	ON600788	Forward X	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-, A13-	XX limited coverage (excluded)
		Probe ✓✓✓	+1C	
<u>2</u>	OQ159105 OQ159097	Forward XXX	Forward Missing	XX limited coverage (excluded)
		Probe ✓✓✓	+16A	
<u>1</u>	EU934063	Forward XXX	Forward Missing	XXX limited coverage (excluded)
		Probe XXX	C4A, C8-, +1CT	

No of Accessions	Accession Details	Oligo	Mutation	BDS Analysis Performance Prediction
1	MG298788	Forward XXX	Forward Missing	XX limited coverage (excluded)
		Reverse ✓✓✓	T1-, A2-, A3-, A4-, T5-, A6-, T7-	
1	MH092257	Forward X	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-, A13-	XX limited coverage (excluded)
		Reverse XX	T1-, A2-, A3-, A4-, C15-, C16-, C17-	
1	OP404258	Forward XXX	Forward Missing	XX limited coverage (excluded)
		Probe ✓✓	+10G	
2	PP659712 MZ144960	Forward XXX	Forward Missing	XX limited coverage (excluded)
		Reverse X	T1-, A2-, A3-, A4-, T5-, A6-, T7-, T8-, A9-, A10-, T11-, G12-, C13-, C14-	
1	PV249448	Forward XXX	Forward Missing	XX limited coverage (excluded)
		Probe ✓✓	A10G	
1	HQ236506	Forward XXX	Forward Missing	XX limited coverage (excluded)
		Probe ✓✓✓	C4T, +2TG	
2	JN585806 PV567171	Forward XXX	Forward Missing	XX limited coverage (excluded)
		Probe ✓✓✓	C7A	
1	PP707075	Forward XXX	Forward Missing	XXX limited coverage (excluded)
		Probe XX	T12G, +22C	
1	MW040578	Forward XXX	Forward Missing	XX limited coverage (excluded)
		Probe ✓✓✓	G19C, A21C	
2	MW866534 MH920247	Forward XXX	Forward Missing	XX limited coverage (excluded)
		Probe ✓✓✓	A6-, C7-	
1	EU934062	Forward XXX	Forward Missing	XXX limited coverage (excluded)
		Probe XXX	C4A, C8-, +2T	
3	ON258848 OR263301 OR263305	Forward XXX	Forward Missing	XX limited coverage (excluded)
		Probe ✓✓✓	+17T	
1	LC522141	Forward XXX	Forward Missing	XX limited coverage (excluded)
		Probe ✓✓✓	G19T	
2	KF881884 AB327077	Forward XXX	Forward Missing	XX limited coverage (excluded)
		Probe ✓✓✓	T2G	
19	19	Forward XXX	Forward Missing	XX limited coverage (excluded)
		Probe ✓✓✓	C1-, T2-	
1	KT894164	Forward XXX	Forward Missing	XXX limited coverage (excluded)
		Probe XXX	A11C, T12C	
1	FJ158855	Forward XXX	Forward Missing	XX limited coverage (excluded)
		Probe ✓✓✓	G3T, +4NT	

No of Accessions	Accession Details	Oligo	Mutation	BDS Analysis Performance Prediction
1	MG890629	Forward XXX	Forward Missing	XX limited coverage (excluded)
		Probe ✓✓✓	C4T, A21-	
1	OQ159107	Forward XXX	Forward Missing	XX limited coverage (excluded)
		Probe ✓✓✓	C20-	
1	OP910251	Forward XXX	Forward Missing	XX limited coverage (excluded)
		Probe ✓✓✓	+7G	
1	HQ236515	Forward XXX	Forward Missing	XX limited coverage (excluded)
		Probe ✓✓✓	C8-, +23C	
4	JX683399 JX683396 JX683393 JX683397	Forward XXX	Forward Missing	XX limited coverage (excluded)
		Probe ✓✓✓	C1A	
1	OR685532	Forward XXX	Forward Missing	XX limited coverage (excluded)
		Probe ✓✓✓	+18A	
1	PV799995	Forward XXX	Forward Missing	XX limited coverage (excluded)
		Probe ✓✓✓	+21A	
		Reverse X	T1-, A2-, A3-, A4-, T5-, A6-, T7-, T8-, A9-, A10-, T11-, G12-, C13-, C14-	
4	HQ833415 HQ833418 JN399023 MZ701918	Forward XXX	Forward Missing	XXX limited coverage (excluded)
		Probe XXX	C1-, T2-, G3-	
1	MT944209	Forward XXX	Forward Missing	XXX limited coverage (excluded)
		Probe XX	A6C, +11A	
1	MZ079366	Forward XXX	Forward Missing	XX limited coverage (excluded)
		Reverse ✓✓	C15G, C16G	
1	JQ678604	Forward X	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-, A13-	XX limited coverage (excluded)
		Probe ✓✓✓	T2A	
1	LC581473	Forward XXX	Forward Missing	XXX limited coverage (excluded)
		Probe XXX	A15G, G19T, +19A	
1	PP339677	Forward XXX	Forward Missing	XXX limited coverage (excluded)
		Probe XX	A10G, +7A	
1	AB327091	Forward XXX	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, G18-, A19-, A20-	XX limited coverage (excluded)
		Probe ✓✓✓	T2G	
1	MN900683	Forward XXX	Forward Missing	XX limited coverage (excluded)
		Probe XXX	C1G, C5A, A6G	
		Reverse ✓✓	A19T	
1	OQ159094	Forward XXX	Forward Missing	XXX limited coverage (excluded)
		Probe XXX	T17A, A18T, G19A, +7G	

No of Accessions	Accession Details	Oligo	Mutation	BDS Analysis Performance Prediction
2	PQ651434 OP169331	Forward XXX	Forward Missing	XXX limited coverage (excluded)
		Probe XXX	C1-, T2-, G3-, C4-, C5-	
1	OR241295	Forward XXX	Forward Missing	XX limited coverage (excluded)
		Probe ✓✓✓	C1-, A6G	
1	EU338507	Forward XXX	Forward Missing	XX limited coverage (excluded)
		Probe ✓✓✓	T2C	
2	OR241284 MK192784	Forward XXX	Forward Missing	XXX limited coverage (excluded)
		Probe XXX	C1-, T2-, G3-, C4-	
1	EU168080	Forward XXX	Forward Missing	XXX limited coverage (excluded)
		Probe XXX	C1-, T2-, G3-, G9T	
37	37	Forward XXX	Forward Missing	XXX limited coverage (excluded)
		Probe XXX	C1-, T2-, G3-, C4-, C5-, A6-	
1	MW664336	Forward XXX	Forward Missing	XXX limited coverage (excluded)
		Probe XX	A6-, A10G	
1	KX246897	Forward XXX	Forward Missing	XXX limited coverage (excluded)
		Probe XXX	C5G, C7A, T12-	
1	KC434450	Forward X	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-	XX limited coverage (excluded)
		Reverse XXX	Reverse Missing	
1	PP872525	Forward XXX	Forward Missing	XXX limited coverage (excluded)
		Probe XXX	C4T, A10G, +22C	
2	KU894803 KJ531909	Forward XXX	Forward Missing	XX limited coverage (excluded)
		Probe ✓✓✓	C5G, C8-	
1	LC093098	Forward XXX	Forward Missing	XXX limited coverage (excluded)
		Probe XXX	G3T, C8A, +8A	
22	22	Forward XXX	Forward Missing	XXX limited coverage (excluded)
		Probe XXX	C1-, T2-, G3-, C4-, C5-, A6-, C7-	
1	MW040590	Forward XXX	Forward Missing	XX limited coverage (excluded)
		Probe ✓✓	+13A	
1	OR241301	Forward XXX	Forward Missing	XX limited coverage (excluded)
		Probe ✓✓✓	C1-, A6-	
1	PP654472	Forward XXX	Forward Missing	XXX limited coverage (excluded)
		Probe XX	A15G, C20A	
1	MN227248	Forward XXX	Forward Missing	XXX limited coverage (excluded)
		Probe XXX	C4G, A6C, +11A	
1	EU934055	Forward XXX	Forward Missing	XX limited coverage

No of Accessions	Accession Details	Oligo	Mutation	BDS Analysis Performance Prediction
		Probe   	C5T	(excluded)
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	
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

No of Accessions	Accession Details	Oligo	Mutation	BDS Analysis Performance Prediction
		Reverse XXX	T7G, C24T	(excluded)
1	PV799992	Forward XXX	Forward Missing	XXX limited coverage (excluded)
		Probe XXX	C1-, T2-, G3-, C4-, C5-, T12C	
1	LC276877	Forward XXX	Forward Missing	XXX limited coverage (excluded)
		Probe XXX	C1-, T2-, G3-, C4-, C8A	
1	PP527092	Forward XXX	Forward Missing	XX limited coverage (excluded)
		Probe XX	C7G, A11G	
		Reverse ✓✓✓	C15G	
1	HQ236529	Forward XXX	Forward Missing	X limited coverage (excluded)
		Probe ✓✓✓	G3T, C5-	
		Reverse ✓✓✓	A10-	
1	HQ236504	Forward XXX	Forward Missing	XX limited coverage (excluded)
		Probe ✓✓✓	C4T	
1	MW040581	Forward XXX	Forward Missing	X limited coverage (excluded)
		Probe ✓✓	+9T	
		Reverse ✓✓✓	T11A	
1	EU934061	Forward XXX	Forward Missing	XXX limited coverage (excluded)
		Probe XXX	G3T, C4A, C7-, C8-	
14	AY702988 OR143778 MK217500 KX870199 KR494238 KR494240 MZ955621 KX246887 MK880494 KR074222 OR568986 KR494241 OP163324 KP677462	Forward XXX	Forward Missing	XXX limited coverage (excluded)
		Probe XXX	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-, A11-	
1	LC426996	Forward XXX	Forward Missing	XXX limited coverage (excluded)
		Probe XXX	C1-, T2-, G3-, C4-, C5-, A6-, G19C, C20G	
1	KF035055	Forward XXX	Forward Missing	XXX limited coverage (excluded)
		Probe XXX	C1-, T2-, G3-, C4-, C5-, A6-, G9A, G19T	
1	LC427001	Forward XXX	Forward Missing	XXX limited coverage (excluded)
		Probe XXX	C1-, T2-, G3-, C4-, C5-, A6-, A21T, T22A	
1	OR241302	Forward XXX	Forward Missing	XXX limited coverage (excluded)
		Probe XXX	C1-, T2-, G3-, C4-, A11-	
1	PQ661179	Forward XXX	Forward Missing	X limited coverage (excluded)
		Probe ✓✓✓	C1-, T2-	

No of Accessions	Accession Details	Oligo	Mutation	BDS Analysis Performance Prediction
		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	
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	Forward   	Forward Missing	  limited coverage (excluded)
		Probe   	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-, A11-, T12-, +16G	

No of Accessions	Accession Details	Oligo	Mutation	BDS Analysis Performance Prediction
	KM403409 KM403419 KM403413 KM403412 KM403417 KM403406			
1	KF881883	Forward XXX	Forward Missing	XXX limited coverage (excluded)
		Probe XXX	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-, A11-, T12-, +16A	
2	JF718264 MT328670	Forward XXX	Forward Missing	XX limited coverage (excluded)
		Probe ✓✓	A15C	
11	MF579529 KC669511 MT225942 MK192799 PP707064 OP411028 MF076648 MK347299 MF076654 MF076649 JQ268232	Forward XXX	Forward Missing	XXX limited coverage (excluded)
		Probe XXX	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-, A11-, T12-, A13-, C14-, A15-, T16-	
1	JQ418498	Forward XXX	Forward Missing	XX limited coverage (excluded)
		Probe ✓✓	G9T	
1	OP164614	Forward XXX	Forward Missing	XXX limited coverage (excluded)
		Probe XXX	C1-, T2-, G3-, C4-, C5-, A6-, C7-, A15-, G19T, C20G	
5	JX423576 MK880493 MW757027 OP938022 PP339701	Forward XXX	Forward Missing	XXX limited coverage (excluded)
		Probe XXX	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-, A11-, T12-, A13-, C14-, A15-, T16-, T17-	
1	EU934070	Forward XXX	Forward Missing	XXX limited coverage (excluded)
		Probe XXX	C1T, G3T, C4A	
		Reverse X	T1-, A2-, +9T, +12T	
1	FJ158852	Forward XXX	Forward Missing	XX limited coverage (excluded)
		Probe ✓✓✓	A6T, +19G	
3	FJ815183 FJ815186 FJ815185	Probe ✓✓✓	+1C	XX limited coverage (excluded)
		Reverse XXX	Reverse Missing	
1	PV800002	Forward XXX	Forward Missing	XXX limited coverage (excluded)
		Probe XXX	C1-, T2-, G3-, C4-, C5-, T12-, A13-, G19C, +19T	
5	PV596405 JN399015 OR685533 JN399012 MF076658	Forward XXX	Forward Missing	XXX limited coverage (excluded)
		Probe XXX	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-, A11-, T12-, A13-, C14-, A15-, T16-, T17-, A18-	
1	MW866546	Forward XXX	Forward Missing	XXX limited coverage (excluded)
		Probe XXX	A6G, A10G, +18T	

No of Accessions	Accession Details	Oligo	Mutation	BDS Analysis Performance Prediction
1	OR241297	Forward XXX	Forward Missing	XXX limited coverage (excluded)
		Probe XXX	C1-, T2-, A6C, T12-	
1	JF718256	Forward XXX	Forward Missing	XX limited coverage (excluded)
		Probe ✓✓✓	C1T, T2G	
6	KF881886 PP659721 OP862864 JQ315202 MK347325 MZ701919	Forward XXX	Forward Missing	XXX limited coverage (excluded)
		Probe XXX	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-, A11-, T12-, A13-, C14-, A15-, T16-, T17-, A18-, G19-	
1	KM403408	Forward XXX	Forward Missing	XX limited coverage (excluded)
		Probe XXX	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-, A11-, T12-, +16G	
		Reverse ✓✓✓	T1-	
1	KR074229	Forward XXX	Forward Missing	XXX limited coverage (excluded)
		Probe XX	A13T, +1C	
1	OQ940664	Forward XXX	Forward Missing	XXX limited coverage (excluded)
		Probe XX	A6-, A15-	
1	KF962051	Forward XXX	Forward Missing	XXX limited coverage (excluded)
		Probe XXX	C1G, C5A, A6G	
4	OQ803533 PQ056836 LC122508 OP938006	Forward XXX	Forward Missing	XXX limited coverage (excluded)
		Probe XXX	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-, A11-, T12-, A13-, C14-, A15-, T16-, T17-, A18-, G19-, C20-	
1	KC493777	Forward XXX	Forward Missing	XXX limited coverage (excluded)
		Probe XXX	C1-, T2-, G3-, C4-, C5-, A6-, G9A, A15-, G19T, A21-	
1	EU934052	Forward XXX	Forward Missing	XXX limited coverage (excluded)
		Probe XXX	G3T, C4G, +4AA, +16A	
1	KM403410	Forward XXX	Forward Missing	XX limited coverage (excluded)
		Probe XXX	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-, A11-, T12-, +16G	
		Reverse ✓✓✓	C15G	
1	KM403418	Forward XXX	Forward Missing	XX limited coverage (excluded)
		Probe XXX	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-, A11-, T12-, +16G	
		Reverse ✓✓✓	C15T	
3	OR568988 LC522143 MK347298	Forward XXX	Forward Missing	XXX limited coverage (excluded)
		Probe XXX	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-, A11-, T12-, A13-, C14-, A15-, T16-, T17-, A18-, G19-, C20-, A21-	
1	OP937999	Forward XXX	Forward Missing	XX limited coverage (excluded)
		Probe ✓✓✓	G19A, +1C	
1	FJ158847	Forward XXX	Forward Missing	XX limited coverage (excluded)
		Probe XXX	C5T, A6T, C7T, C8A	

No of Accessions	Accession Details	Oligo	Mutation	BDS Analysis Performance Prediction
		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-	
12	KJ504220 AY702985 PP339700 PP707081 MG581709 KX714006 PP835520 JQ678616 PQ056833 OM414912 MF076653 MF076661	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-	
3	MF076656 MF076664 MF076665	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	
184	184	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	

No of Accessions	Accession Details	Oligo	Mutation	BDS Analysis Performance Prediction
1	OP938012	Forward XXX	Forward Missing	XX limited coverage (excluded)
		Probe ✓✓✓	G19A	
1	OQ804422	Forward XXX	Forward Missing	XXX limited coverage (excluded)
		Probe XXX	C1-, T2-, C14G, A15-	
		Reverse XXX	Reverse Missing	
1	KU872064	Forward XXX	Forward Missing	X limited coverage (excluded)
		Reverse ✓✓✓	T5A	
1	OP862863	Forward XXX	Forward Missing	XXX limited coverage (excluded)
		Probe XXX	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-, A11-, T12-, A13-, C14-, A15-, T16-, G24C	
1	KF962049	Forward XXX	Forward Missing	XX limited coverage (excluded)
		Probe ✓✓✓	A6-, +1C	
1	FJ158853	Forward XXX	Forward Missing	XX limited coverage (excluded)
		Probe XXX	G3T, C4T, C5A, A6C, C7A, +19G	
		Reverse ✓✓✓	T1-	
1	KF054075	Forward XXX	Forward Missing	XXX limited coverage (excluded)
		Probe XXX	T2C, G3T, C4G, A6G, A11G	
1	JF718257	Forward XXX	Forward Missing	XXX limited coverage (excluded)
		Probe XXX	T2G, C4G, A6G, C7A	
1	KU312270	Forward XXX	Forward Missing	XX limited coverage (excluded)
		Probe ✓✓✓	+1C	
		Reverse XXX	Reverse Missing	
1	JF718254	Forward XXX	Forward Missing	XXX limited coverage (excluded)
		Probe XXX	A6G, C7A, A15C, +3G	
1	LC184514	Forward XXX	Forward Missing	XXX limited coverage (excluded)
		Probe XX	A15-, G19A	
1	OR940145	Forward XXX	Forward Missing	XXX limited coverage (excluded)
		Probe XXX	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-, A11-, T12-, A13-, C14-, A21C, T22C	
1	OQ158989	Forward XXX	Forward Missing	XX limited coverage (excluded)
		Probe XXX	C1-, T2-, G3-, C4-, C5-, A6-, +17T	
		Reverse ✓✓	+17G	
1	KF886753	Forward XXX	Forward Missing	XXX limited coverage (excluded)
		Probe XXX	C1-, T2-, C8-, A13-, T17-	
		Reverse XX	A10-, A19-	
1	OR241281	Forward XXX	Forward Missing	XXX limited coverage (excluded)
		Probe XXX	C1-, T2-, G3-, C4-, C5-, A6-, C7-, T12-, C20A	

No of Accessions	Accession Details	Oligo	Mutation	BDS Analysis Performance Prediction
1	PP872534	Forward XXX	Forward Missing	XXX limited coverage (excluded)
		Probe XXX	A6G, C7A, +1G	
1	MN900689	Forward XXX	Forward Missing	XXX limited coverage (excluded)
		Probe XXX	C1-, A6G, C7A	
1	KT892821	Forward XXX	Forward Missing	X limited coverage (excluded)
		Probe ✓✓✓	C8T	
		Reverse ✓✓✓	T8C	
1	PP339703	Forward XXX	Forward Missing	XXX limited coverage (excluded)
		Probe XXX	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-, A11-, T12-, A13-, C14-, G19T, A21C, T22C	
1	OQ159102	Forward XXX	Forward Missing	XXX limited coverage (excluded)
		Probe XXX	C4G, T12-, A15T, G19C, C20A, A21T	
		Reverse XXX	G12C, A19T, T21C	
1	MZ458342	Forward XXX	Forward Missing	XXX limited coverage (excluded)
		Probe XXX	A15C, G19C, +9C, +20C	
1	EF050476	Forward XXX	Forward Missing	XXX limited coverage (excluded)
		Probe XXX	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-, A11-, T12-, A13-	
1	OR241299	Forward XXX	Forward Missing	XXX limited coverage (excluded)
		Probe XXX	C1-, T2-, G3-, C4-, C5-, A6-, A15C, T17C, T22A, +11R	
1	MT893136	Forward XXX	Forward Missing	XXX limited coverage (excluded)
		Probe XXX	T2C, T16C, +9C, +16C	
1	KC434447	Forward XXX	Forward Missing	XX limited coverage (excluded)
		Probe ✓✓✓	+1T	
		Reverse XXX	Reverse Missing	
1	PP659699	Forward XXX	Forward Missing	XX limited coverage (excluded)
		Probe XXX	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-, A11-, T12-, A13-, C14-, A15-, T16-, T17-, A18-, G19-	
		Reverse ✓✓✓	G12C	
1	EU934060	Forward XXX	Forward Missing	XXX limited coverage (excluded)
		Probe XXX	C1-, T2-, G3-, C4-, C5-, A6-, C7-	
		Reverse XX	+14G, +20G	
1	FJ158856	Forward XXX	Forward Missing	XXX limited coverage (excluded)
		Probe XXX	C5T, A6T, C8A, G9A	
		Reverse XX	+13A, +19T A	
1	JQ418509	Forward XXX	Forward Missing	XXX limited coverage (excluded)
		Probe XXX	T2G, A6T, A11T, A21C	

No of Accessions	Accession Details	Oligo	Mutation	BDS Analysis Performance Prediction
1	KF962052	Forward XXX	Forward Missing	XXX limited coverage (excluded)
		Probe XXX	C1-, T2-, G3-, C4-, C5-, A6-, A15-	
1	OP938007	Forward XXX	Forward Missing	XX limited coverage (excluded)
		Probe XX	A15-, G19A	
		Reverse ✓✓✓	T7A	
1	MN071400	Forward XX	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, C15T	XXX limited coverage (excluded)
		Probe XXX	C1G, A10G, T16G, T17A	
		Reverse XXX	Reverse Missing	
1	KU872063	Forward XXX	Forward Missing	XX limited coverage (excluded)
		Probe ✓✓✓	C1-, C5G	
		Reverse XXX	T11A, C24T	
1	KC434451	Forward XXX	Forward Missing	XX limited coverage (excluded)
		Probe ✓✓✓	C8-, +2T	
		Reverse XXX	Reverse Missing	
1	MT944211	Forward XXX	Forward Missing	XXX limited coverage (excluded)
		Probe XXX	C4G, C8-, T12G, T17G	
		Reverse XXX	A18C, A19-, A22-	
1	OK641891	Forward XX	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-, A13-, C14-	XX limited coverage (excluded)
		Probe XXX	C1T, T2C, A6G, C7T, C8T, A15G, T17C	
		Reverse ✓✓✓	T8C, A9G	
1	MT893146	Forward XXX	Forward Missing	XX limited coverage (excluded)
		Probe XXX	A6C, A15C, +1C	
		Reverse ✓✓✓	T1-	
1	MT893151	Forward XXX	Forward Missing	XXX limited coverage (excluded)
		Probe XXX	T12A, G19C, A21T, T22G, +3G	
		Reverse XXX	T5A, T11C, G12C, T21C	
1	KC434444	Forward XXX	Forward Missing	XX limited coverage (excluded)
		Probe ✓✓✓	+2AT	
		Reverse XXX	Reverse Missing	
1	MT328666	Forward XXX	Forward Missing	XX limited coverage (excluded)
		Probe ✓✓✓	G3A	
1	MT893155	Forward XXX	Forward Missing	XX limited coverage (excluded)
		Probe ✓✓✓	T2G, A6-	
		Reverse XXX	T5A, T8A, T11G, G12C, T21C, A22-	
1	MH938694	Probe XXX	A21-, T22-, G23-, G24-	XXX limited coverage (excluded)
		Reverse XXX	Reverse Missing	

No of Accessions	Accession Details	Oligo	Mutation	BDS Analysis Performance Prediction
1	MT328648	Forward XXX	Forward Missing	XX limited coverage (excluded)
		Probe XXX	A6-, G9T, A15-, G19-	
		Reverse ✓✓	C20T	
1	EU934054	Forward XXX	Forward Missing	XXX limited coverage (excluded)
		Probe XXX	C1T, T2G, C8T, +9N	
		Reverse XXX	T8-, T11G, +23A N T C	
1	KM189400	Forward XXX	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-, A13-, C14-, C15-, G16-, T17-, G18-	XXX limited coverage (excluded)
		Probe XXX	C8G, A13C, G19C, T22G	
		Reverse XXX	C13G, A18C, A22T, C24T	
1	FJ158848	Forward XXX	Forward Missing	XX limited coverage (excluded)
		Probe XXX	C8T, G9-, +2T	
		Reverse ✓✓✓	+10G	
1	PQ819043	Forward XXX	Forward Missing	XXX limited coverage (excluded)
		Probe XXX	C1-, T2-, G3-, C4-, C5-, A6-, C7-, A10G, G19C, A21C, T22C, +22TC	
1	OQ158983	Forward XXX	Forward Missing	XXX limited coverage (excluded)
		Probe XXX	C1-, T2-, G3-, C4-, C5-, A6-, C7-	
		Reverse XXX	T7A, T8A, T11C, G12C, C20A, T23C	
1	JQ678609	Probe XXX	G19-, C20-, A21-, T22-, G23-, G24-	XXX limited coverage (excluded)
		Reverse XXX	Reverse Missing	
1	PP707076	Forward XXX	Forward Missing	XX limited coverage (excluded)
		Probe XXX	Probe Missing	
		Reverse ✓✓	A19C	
1	EF050477	Forward XXX	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-, A13-, C14-, C15-, G16-, T17-, G18-, A19-	XXX limited coverage (excluded)
		Probe XXX	C1T, G3C, A6C, A10G, A13T	
		Reverse XXX	C13G, A22T, C24T	
1	ON982468	Forward XXX	Forward Missing	XX limited coverage (excluded)
		Probe XXX	A6-, C7-, T12C, A15-, T22-	
		Reverse ✓✓	A19-	
6	OQ803522 OQ804424 OQ804428 AY703012 AY702994 AY703007	Forward XXX	Forward Missing	XXX limited coverage (excluded)
		Probe XXX	Probe Missing	
		Reverse XXX	Reverse Missing	
1	MN240472	Forward XXX	Forward Missing	XX limited coverage (excluded)
		Probe XXX	C4G, A10C, T17A, C20A, A21T, +11G	
		Reverse ✓✓✓	T1-, A2-, T11A	

No of Accessions	Accession Details	Oligo	Mutation	BDS Analysis Performance Prediction
1	PP654475	Forward XXX	Forward Missing	XXX limited coverage (excluded)
		Probe XXX	C14G, T16G	
		Reverse XXX	Reverse Missing	
1	LC101791	Forward XXX	Forward Missing	XX limited coverage (excluded)
		Probe ✓✓	+8A	
		Reverse XXX	Reverse Missing	
1	EF050475	Forward XXX	Forward Missing	XXX limited coverage (excluded)
		Probe XXX	A6-, A11T, T12-, A13-	
		Reverse XXX	+8T, +17C, +22A	
1	EF050488	Forward XX	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-, A13-, C14-	XXX limited coverage (excluded)
		Probe XXX	C1T, T2G, G3A, A10G, +6T, +15C, +20G	
		Reverse XXX	+5C, +17C A, C20T	
1	FJ158850	Forward XXX	Forward Missing	XXX limited coverage (excluded)
		Probe XXX	Probe Missing	
		Reverse XX	T11G, +17C	
1	MK910997	Forward XXX	Forward Missing	XX limited coverage (excluded)
		Probe ✓✓✓	C4G	
		Reverse XXX	T1-, A2-, A3-, A4-, T5-, A6-, T7-, T8-, A9-, A10-, T11-, G12-, C13-, C14-, C15-, T21G	
1	OQ940662	Forward XXX	Forward Missing	XXX limited coverage (excluded)
		Probe XXX	C1-, T12-, A15-	
		Reverse XX	T8G, A9G, A10-, +19A	
1	PP339707	Forward XXX	Forward Missing	XX limited coverage (excluded)
		Probe XXX	Probe Missing	
		Reverse ✓✓✓	A3T, T7A	
2	EF050468 EF050484	Forward XXX	Forward Missing	XXX limited coverage (excluded)
		Probe XXX	T2A, G3A, A6T, C8A, A10T, A15T, G24A	
		Reverse XXX	C16T, A22C, C25T	
1	LC310896	Forward XXX	Forward Missing	XXX limited coverage (excluded)
		Probe XXX	G3-, A6T, T16C, A18T, G19T, T22C, +10CATC	
1	KF801452	Forward XXX	Forward Missing	XXX limited coverage (excluded)
		Probe XXX	T2-, A6-, A15-, A21-	
		Reverse XX	A9G, A10G, A18G	
1	MW866558	Forward XXX	Forward Missing	XXX limited coverage (excluded)
		Probe XXX	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, A15G, T16C, A21G	
1	JQ945989	Forward XXX	Forward Missing	XX limited coverage (excluded)
		Probe XXX	Probe Missing	

No of Accessions	Accession Details	Oligo	Mutation	BDS Analysis Performance Prediction
		Reverse  	+17G	
1	JQ418497	Forward   	Forward Missing	  limited coverage (excluded)
		Probe   	Probe Missing	
		Reverse   	A4T	
1	OP297698	Probe   	C5G, A6C, G9C, T12A, C14A, A18-, G19-, C20-, A21-, T22-, G23-, G24-	  limited coverage (excluded)
		Reverse   	Reverse Missing	
1	OQ247945	Forward   	Forward Missing	  limited coverage (excluded)
		Probe   	G19-	
		Reverse   	Reverse Missing	
1	KU936116	Forward   	Forward Missing	  limited coverage (excluded)
		Probe   	G19-	
1	PP527029	Forward   	Forward Missing	  limited coverage (excluded)
		Probe   	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-, A15G, T16C, A21G, G24A	
		Reverse  	C14A, A19C	
1	MN227253	Forward   	Forward Missing	  limited coverage (excluded)
		Probe   	Probe Missing	
		Reverse   	T8-	
1	MH092284	Forward   	Forward Missing	  limited coverage (excluded)
		Probe   	Probe Missing	
		Reverse 	T1-, A2-, A3-, A4-, C15G	
1	LC086296	Forward   	Forward Missing	  limited coverage (excluded)
		Probe   	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-, C14T	
		Reverse   	T8G, T11C, A22G, C25T	
1	PQ680038	Forward   	Forward Missing	  limited coverage (excluded)
		Probe   	Probe Missing	
		Reverse   	T1-, A2-	
1	OR940144	Forward   	Forward Missing	  limited coverage (excluded)
		Probe   	Probe Missing	
		Reverse   	T11G	
1	AY703009	Forward   	Forward Missing	  limited coverage (excluded)
		Probe   	Probe Missing	
		Reverse   	+23G	
1	EF050478	Forward   	Forward Missing	  limited coverage (excluded)
		Probe   	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-, A11-, T12-, A13-, C14-, A15-	
		Reverse   	T8A, T11G, C17-, A22T, C24T	
1	FJ158849	Forward   	Forward Missing	  limited coverage

No of Accessions	Accession Details	Oligo	Mutation	BDS Analysis Performance Prediction
		Probe XXXX	Probe Missing	(excluded)
		Reverse XXXX	T1-, A2-, T21G, +23A T T C	
1	MG581703	Forward XXXX	Forward Missing	XXXX limited coverage (excluded)
		Probe XXXX	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-, A11-, T12-, A13-, C14-, A15-, T16-, T17-, A18-, T22G	
		Reverse XXXX	A9T, A10G, A19T, C20T	
1	GQ999992	Forward XXXX	Forward Missing	XX limited coverage (excluded)
		Probe XXXX	Probe Missing	
		Reverse ✓✓✓	T1-, A2-, T8-	
1	OQ247947	Forward XXXX	Forward Missing	XXXX limited coverage (excluded)
		Probe XXXX	Probe Missing	
		Reverse XX	G12A, C20A	
1	LC581474	Forward XXXX	Forward Missing	XXXX limited coverage (excluded)
		Probe XXXX	Probe Missing	
		Reverse XXXX	A22C	
1	OQ247939	Forward XXXX	Forward Missing	XXXX limited coverage (excluded)
		Probe XXXX	Probe Missing	
		Reverse XX	T5A, T11A, G12A, C20A	
1	KU065134	Forward XXXX	Forward Missing	XXXX limited coverage (excluded)
		Probe XXXX	Probe Missing	
		Reverse XXXX	A18C, A19C, T21C, T23C	
1	KF294891	Forward XXXX	Forward Missing	XXXX limited coverage (excluded)
		Probe XXXX	Probe Missing	
		Reverse XXXX	T8C, 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

No of Accessions	Accession Details	Oligo	Mutation	BDS Analysis Performance Prediction
<u>2</u>	ON875355 KY981792	Forward   	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-	   Detected
<u>1</u>	KY514424	Forward   	C1-, C2-, C3-, A4-, G5-	   Detected
<u>1</u>	KU872061	Forward   	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-	   Detected
<u>1</u>	PP339698	Probe   	C1T	   Detected
		Reverse   	A10G	
<u>1</u>	MT889653	Probe  	A13-	  Detected
<u>1</u>	AF239162	Reverse  	+17C	  Detected
<u>1</u>	MK578678	Forward   	C1-, C2-, C3-	   Detected
		Probe  	A13C	
<u>1</u>	KY072783	Forward   	G18A	   Not Detected
		Probe   	G3C, A6C, C14T	
		Reverse   	T1-, T8A, A18C, A19C, T21C	
<u>7</u>	KX018021 KX018029 KX018028 KJ446977 KC694183 KC694182 KC694178	Forward 	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-	 limited coverage (excluded)
<u>3</u>	KX018040 OK641895 OR564019	Forward 	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-, A13-	 limited coverage (excluded)
<u>1</u>	KY203908	Forward 	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-	 limited coverage (excluded)
<u>2</u>	KX018038 OK641896	Forward  	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-, A13-, C14-	  limited coverage (excluded)
<u>3</u>	OK641900 OR564018 KX018030	Forward   	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-, A13-, C14-, C15-	   limited coverage (excluded)
<u>1</u>	OR564015	Forward   	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-, A13-, C14-, C15-, A19G	   limited coverage (excluded)
<u>63</u>	<u>63</u>	Forward   	Forward Missing	   limited coverage (excluded)
<u>1</u>	KX018025	Forward   	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-, A13-, C14-, C15-, G16-, T17-, G18-	   limited coverage (excluded)

No of Accessions	Accession Details	Oligo	Mutation	BDS Analysis Performance Prediction
<u>2</u>	OK559554 OK562071	Forward XXX	Forward Missing	XX limited coverage (excluded)
		Probe ✓✓✓	C1T	
<u>1</u>	OR352423	Forward XXX	Forward Missing	XX limited coverage (excluded)
		Probe ✓✓	+11A	
<u>1</u>	EF176003	Forward XXX	Forward Missing	XX limited coverage (excluded)
		Probe ✓✓	+9C	
<u>1</u>	PP758985	Forward XXX	Forward Missing	XX limited coverage (excluded)
		Probe ✓✓✓	A21-	
<u>2</u>	KR872641 KR872642	Forward X	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-	XX limited coverage (excluded)
		Probe XXX	C1T, A6C, A11T, A15T, G19C, +2TAAAC	
<u>1</u>	KF881885	Forward XXX	Forward Missing	XXX limited coverage (excluded)
		Probe XX	C8A, +8A	
<u>2</u>	PQ676275 LC629632	Forward XXX	Forward Missing	XX limited coverage (excluded)
		Probe ✓✓✓	C1-, T2-	
<u>1</u>	OQ679416	Forward XXX	Forward Missing	XXX limited coverage (excluded)
		Probe XXX	C1-, T2-, G3-, C4-, C5-	
<u>1</u>	KJ446978	Forward XXX	Forward Missing	XXX limited coverage (excluded)
		Probe XXX	T2G, A6-, A15-	
<u>1</u>	MT820305	Forward XXX	Forward Missing	XXX limited coverage (excluded)
		Probe XXX	C1-, T2-, +21A	
<u>6</u>	OL336245 OK641901 OK641889 OK641890 OK641893 OK641892	Forward XXX	Forward Missing	XXX limited coverage (excluded)
		Probe XXX	C1-, T2-, G3-, C4-, C5-, A6-	
<u>2</u>	LC883912 KF881889	Forward XXX	Forward Missing	XXX limited coverage (excluded)
		Probe XXX	C1-, T2-, G3-, C4-, C5-, A6-, C7-	
<u>1</u>	MN685269	Forward XXX	Forward Missing	XX limited coverage (excluded)
		Probe ✓✓✓	C8-	
<u>1</u>	PV628290	Forward XXX	Forward Missing	XXX limited coverage (excluded)
		Probe XXX	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-, A11-	
<u>1</u>	KJ446975	Forward XXX	Forward Missing	XXX limited coverage (excluded)
		Probe XXX	C1-, T2-, A6C, A11T, A15T, G19C	
<u>1</u>	MG722753	Forward XXX	Forward Missing	XXX limited coverage (excluded)
		Probe XXX	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-, A11-, T12-	
<u>1</u>	OR263298	Forward XXX	Forward Missing	XXX limited coverage

No of Accessions	Accession Details	Oligo	Mutation	BDS Analysis Performance Prediction
		Probe XXXX	C1-, T2-, G3-, C4-, C5-, A6-, +17N	(excluded)
1	LC883920	Forward XXXX	Forward Missing	XXXX limited coverage (excluded)
		Probe XXXX	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-, A11-, T12-, A13-, C14-, A15-, T16-, T17-, A18-, G19-, C20-	
2	OP854853 PQ819041	Forward XXXX	Forward Missing	XXXX limited coverage (excluded)
		Probe XXXX	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 XXXX	Forward Missing	XX limited coverage (excluded)
		Probe ✓✓✓	T2-, G3-	
1	MH919367	Forward XXXX	Forward Missing	XX limited coverage (excluded)
		Probe ✓✓✓	A6-, C7-	
1	OP861001	Forward XXXX	Forward Missing	XX limited coverage (excluded)
		Probe XXXX	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-, A11-, T12-, A13-, C14-, A15-	
		Reverse ✓✓	C17-	
10	PP835518 KR494234 OP954857 OK641883 OP959824 OK641886 PP758986 OK641881 OK641884 MZ504290	Forward XXXX	Forward Missing	XXXX limited coverage (excluded)
		Probe XXXX	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	KM823782	Forward ✓✓	T12A, A13T	✓✓ Detected
		Probe ✓✓✓	+1C	
1	KX018036	Forward ✓✓✓	T7G, C8T	✓✓✓ Detected
		Probe ✓✓✓	+1C	
2	MF100905 MF100906	Probe ✓✓✓	G19A, +1C	✓✓✓ Detected

No of Accessions	Accession Details	Oligo	Mutation	BDS Analysis Performance Prediction
<u>1</u>	KM823777	Probe   	A6C, +1C	   Detected
<u>2</u>	KC694184 KC694186	Forward   	C1-, C2-, C3-, A4-, G5-, A6-	   Detected
		Probe   	+1C	
<u>1</u>	KM823779	Forward   	C1-, +7T	   Detected
		Probe   	A6C, +1C	
<u>1</u>	KC694185	Forward   	C1-, C2-, C3-, A4-, G5-, A6-, T7-	   Detected
		Probe   	+1C	
<u>2</u>	KX018045 PV124347	Forward   	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-	   Detected
		Probe   	+1C	
<u>1</u>	KM823785	Forward   	C1-, C2-, C3-, A4-, G5-, A6-	   Detected
		Probe   	A6C, +1C	
<u>1</u>	PX285828	Forward   	C1-, T7A, C8T	   Detected
		Probe  	T16G	
<u>2</u>	KC438381 KX018026	Forward   	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-	   Detected
		Probe   	+1C	
<u>1</u>	PP835534	Forward 	G5A, T7A, T12-	 Not Detected
		Probe   	+1C	
<u>1</u>	KC493773	Forward   	C1-, C2-, C3-	 Not Detected
		Probe  	A13T, +1C	
<u>1</u>	PP564837	Forward 	C1-, C2-, C3-, A4-, G5-, A6-, T12A	 Not Detected
		Probe  	A13T, +1C	
<u>1</u>	MW350022	Forward   	A6T, C8T, T12A, A13G, T17G	 Not Detected
		Probe  	A13T, G19T	
		Reverse  	C17G	
<u>1</u>	KX232520	Forward 	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-	 limited coverage (excluded)
<u>6</u>	KX018044 KX018039 KX018032 KX018035 KX018024 KX232517	Forward 	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-	 limited coverage (excluded)
		Probe   	+1C	
<u>1</u>	KX018041	Forward 	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-	 limited coverage (excluded)
		Probe   	+1C	
<u>3</u>	KX018031 KX018033 PV810108	Forward 	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-, A13-	 limited coverage (excluded)
		Probe   	+1C	
<u>1</u>	KX018046	Forward  	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-, A13-, C14-	 limited coverage (excluded)
		Probe   	+1C	

No of Accessions	Accession Details	Oligo	Mutation	BDS Analysis Performance Prediction
<u>11</u>	MT539094 EF176005 EF176000 EF175998 EF176002 EF176004 KP940443 GU573878 OQ247958 MN700283 MT256179	Forward XXX Probe ✓✓✓	Forward Missing +1C	XX limited coverage (excluded)
<u>11</u>	MN685268 LC629636 LC629635 MK217511 LC883909 PX272269 MN093972 OK641897 MN685223 MT328655 PQ676278	Forward XXX	Forward Missing	XXX limited coverage (excluded)
<u>1</u>	GU573877	Forward XXX Probe ✓✓✓	Forward Missing C5G, +1C	XX limited coverage (excluded)
<u>3</u>	MW757019 MK217515 MK217517	Forward XXX Probe ✓✓✓	Forward Missing C1-	XX limited coverage (excluded)
<u>1</u>	PX285832	Forward XXX Probe XXX	Forward Missing C1-, T2-, G3-	XXX limited coverage (excluded)
<u>2</u>	PP732394 PX285831	Forward XXX Probe ✓✓✓	Forward Missing C1-, T2-	XX limited coverage (excluded)
<u>1</u>	KX246893	Forward XXX Probe ✓✓	Forward Missing +9T	XX limited coverage (excluded)
<u>1</u>	MN685221	Forward XXX Probe XXX	Forward Missing C1-, T2-, G3-, C4-, C5-	XXX limited coverage (excluded)
<u>1</u>	MK217516	Forward XXX Probe XXX	Forward Missing C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-	XXX limited coverage (excluded)
<u>1</u>	PP732392	Forward XXX Probe XXX	Forward Missing C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-	XXX limited coverage (excluded)
<u>3</u>	MK217513 MK217512 MK217510	Forward XXX Probe XXX	Forward Missing C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-, A11-	XXX limited coverage (excluded)
<u>1</u>	OR767826	Forward XXX Reverse ✓✓✓	Forward Missing T1-, A2-, A3-, A4-, T5-, A6-, T7-, T8-	XX limited coverage (excluded)
<u>1</u>	ON982457	Forward XXX Probe ✓✓✓	Forward Missing T2C	XX limited coverage (excluded)

No of Accessions	Accession Details	Oligo	Mutation	BDS Analysis Performance Prediction
1	MT261772	Forward XXX	Forward Missing	XXX limited coverage (excluded)
		Probe XXX	C1-, T2-, G3-, C4-, C5-, A6-	
1	PQ559813	Forward XXX	Forward Missing	XXX limited coverage (excluded)
		Probe XXX	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-, A11-, T12-, A13-, C14-	
1	MT261769	Forward XXX	Forward Missing	XXX limited coverage (excluded)
		Probe XXX	C4G, A6G, C8A	
1	MT261770	Forward XXX	Forward Missing	XXX limited coverage (excluded)
		Probe XXX	T2C, C4G, +6G	
1	MK217514	Forward XXX	Forward Missing	XXX limited coverage (excluded)
		Probe XXX	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-, A11-, T12-, A13-, C14-, A15-, T16-, T17-, A18-	
1	OR767827	Forward XXX	Forward Missing	XX limited coverage (excluded)
		Reverse ✓✓✓	C16A	
1	MK880495	Forward XXX	Forward Missing	XXX limited coverage (excluded)
		Probe XXX	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-, A11-, T12-, A13-, C14-, A15-, T16-, T17-, A18-, G19-, C20-, A21-, T22-	
8	MZ218110 MZ218099 MZ218105 MK217518 KX018023 JX043488 KX018022 OM003585	Forward XXX	Forward Missing	XXX limited coverage (excluded)
		Probe XXX	Probe Missing	
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	
24	24	Forward XXX	Forward Missing	XXX limited coverage (excluded)
3	GU573866 GU573869 GU573862	Forward XXX	Forward Missing	XX limited coverage (excluded)
		Probe ✓✓✓	A6-	

No of Accessions	Accession Details	Oligo	Mutation	BDS Analysis Performance Prediction
1	GU573864	Forward XXX	Forward Missing	XX limited coverage (excluded)
		Probe ✓✓✓	T2C	
1	PP356066	Forward XXX	Forward Missing	XX limited coverage (excluded)
		Probe ✓✓	G9A	
2	MN685227 MN685244	Forward XXX	Forward Missing	X limited coverage (excluded)
		Reverse ✓✓✓	T8C	
1	MH790991	Forward XXX	Forward Missing	XX limited coverage (excluded)
		Probe ✓✓✓	C5-	
1	GU573857	Forward XXX	Forward Missing	XXX limited coverage (excluded)
		Probe XXX	C1-, T2-, G3-	
1	PV235319	Forward XXX	Forward Missing	X limited coverage (excluded)
		Probe ✓✓✓	C1-, T2-	
		Reverse ✓✓✓	T8C	
1	GU573856	Forward XXX	Forward Missing	XXX limited coverage (excluded)
		Probe XXX	C1T, A6G, C7A, C8A	
1	KX714011	Forward XXX	Forward Missing	XXX limited coverage (excluded)
		Probe XXX	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-, A11-, T12-	
1	OM365895	Forward XXX	Forward Missing	XX limited coverage (excluded)
		Probe XX	T16C, T22C	
		Reverse ✓✓✓	A10G	
1	GU573855	Forward XXX	Forward Missing	XXX limited coverage (excluded)
		Reverse XX	T11C, G12C, C14A, C15A, A19T	
1	OM365910	Forward XXX	Forward Missing	XX limited coverage (excluded)
		Probe XXX	C1-, T2-, A6C	
		Reverse ✓✓✓	A10G	
1	MN685242	Forward XXX	Forward Missing	XX limited coverage (excluded)
		Probe ✓✓✓	A6-	
		Reverse X	T8C, G12-, C13-	
1	GU573854	Forward XXX	Forward Missing	XXX limited coverage (excluded)
		Probe XXX	A6T, A10C, A15T, +2C, +22C	
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

No of Accessions	Accession Details	Oligo	Mutation	BDS Analysis Performance Prediction
1	ON908497	Forward  	T11A, T12A	  Detected
1	HG797020	Forward  	G9C, T10G, +13AC	  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	
1	MN091838	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-	
		Reverse   	T1-, A2-	

No of Accessions	Accession Details	Oligo	Mutation	BDS Analysis Performance Prediction
1	MG581710	Forward XXX	Forward Missing	XXX limited coverage (excluded)
		Probe XXX	Probe Missing	
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 XXX	Forward Missing	XXX limited coverage (excluded)
1	MN700275	Forward XXX	Forward Missing	X limited coverage (excluded)
		Reverse ✓✓✓	T11C	
1	OQ247961	Forward XXX	Forward Missing	XXX limited coverage (excluded)
		Probe XX	A6G, +15G	
1	MT226327	Forward XXX	Forward Missing	XXX limited coverage (excluded)
		Probe XXX	T16C, A18T, +9T, +18CAC	
1	MZ504292	Forward XXX	Forward Missing	XXX limited coverage (excluded)
		Probe XXX	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 XXX	C1T, G3T, A6C	XX Not Detected
		Reverse ✓✓✓	+16A	
1	MK713902	Probe XXX	C1T, G3T, A6C, G19C, A21C	XXX Not Detected
32	32	Forward XXX	Forward Missing	XXX limited coverage (excluded)
3	OQ247964 OQ247951 OQ247952	Forward XXX	Forward Missing	XX limited coverage (excluded)
		Probe ✓✓	+11A	

No of Accessions	Accession Details	Oligo	Mutation	BDS Analysis Performance Prediction
1	OQ247963	Forward XXX	Forward Missing	XX limited coverage (excluded)
		Probe ✓✓✓	+16A	
1	OQ247954	Forward XXX	Forward Missing	XX limited coverage (excluded)
		Reverse ✓✓	A18C	
1	OK042099	Forward XXX	Forward Missing	XX limited coverage (excluded)
		Probe ✓✓	A15-	
1	MW757028	Forward XXX	Forward Missing	XX limited coverage (excluded)
		Probe ✓✓✓	C1-	
1	OK042094	Forward XXX	Forward Missing	XX limited coverage (excluded)
		Probe ✓✓✓	C1-, T2-	
1	OP861003	Forward XXX	Forward Missing	XXX limited coverage (excluded)
		Probe XXX	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-, A11-, T12-, A13-	
1	PP835521	Forward XXX	Forward Missing	XXX limited coverage (excluded)
		Probe XXX	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-, A11-, T12-, A13-, C14-, A15-, T16-, T17-, A18-, G19-, C20-, A21-, T22-	
1	PP741729	Forward XXX	Forward Missing	XXX limited coverage (excluded)
		Reverse XXX	T1-, T7A, T8A, T11C, G12C, T23C	
1	OQ247960	Forward XXX	Forward Missing	XXX limited coverage (excluded)
		Probe XXX	Probe Missing	
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 XXX	Forward Missing	XXX limited coverage (excluded)
1	OP861630	Forward XXX	Forward Missing	XXX limited coverage (excluded)
		Probe XXX	C1-, T2-, G3-	
1	OP863035	Forward XXX	Forward Missing	XXX limited coverage (excluded)
		Probe XXX	Probe Missing	
Acanthamoeba griffini/29195 Analyzed Accessions: 8				
6	U07412 MF100899 S81337	NA	No Mutations	✓✓✓ Detected

No of Accessions	Accession Details	Oligo	Mutation	BDS Analysis Performance Prediction
	KY072779 KF010846 HQ007040			
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)
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	NA	No Mutations	   Detected

No of Accessions	Accession Details	Oligo	Mutation	BDS Analysis Performance Prediction
	U07411 PP853467 L09599			
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-	
1	PP872532	Forward   	T17G	   limited coverage (excluded)
		Probe   	Probe Missing	
		Reverse   	Reverse Missing	
Acanthamoeba triangularis/146752 Analyzed Accessions: 6				
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

No of Accessions	Accession Details	Oligo	Mutation	BDS Analysis Performance Prediction
1	OP315258	Forward XXX	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-, A13-, C14-, C15-, G16-, T17-, G18-	XXX limited coverage (excluded)
1	LR757994	Reverse XXX	Reverse Missing	XXX limited coverage (excluded)
8	PP356074 PP356073 OK042103 PQ380148 PQ363041 PQ380149 PQ676265 PV235316	Forward XXX	Forward Missing	XXX limited coverage (excluded)
1	OQ679417	Forward XXX	Forward Missing	XXX limited coverage (excluded)
		Probe XXX	C1-, T2-, G3-, C4-	
1	OK042098	Forward XXX	Forward Missing	XX limited coverage (excluded)
		Probe XX	A6-, A15-	
		Reverse ✓✓	+17G	
1	PQ676296	Forward XXX	Forward Missing	XXX limited coverage (excluded)
		Probe XXX	C1-, T2-, G3-, C4-, C5-, A6-, C7-, C8-, G9-, A10-, A11-, T12-, A13-, C14-, A15-, T16-, T17-, A18-, G19-, C20-, A21-	
2	OP955939 PP707083	Forward XXX	Forward Missing	XXX limited coverage (excluded)
		Probe XXX	Probe Missing	
Acanthamoeba healyi/65661 Analyzed Accessions: 5				
3	PV809663 AF019070 MK713915	NA	No Mutations	✓✓✓ Detected
1	MK713914	Probe ✓✓✓	A6C	✓✓✓ Detected
1	MK713906	Forward ✓✓✓	C8A, G9C	X Not Detected
		Probe XX	A6C, A15C	
2	OK042102 PP356067	Forward XXX	Forward Missing	XXX limited coverage (excluded)
1	MG386314	Forward XXX	Forward Missing	XXX limited coverage (excluded)
		Probe XXX	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 XXX	Forward Missing	XXX limited coverage (excluded)

No of Accessions	Accession Details	Oligo	Mutation	BDS Analysis Performance Prediction
Acanthamoeba rhysodes/32599 Analyzed Accessions: 4				
<u>3</u>	U07406 AF260720 AY351644	NA	No Mutations	✓✓✓ Detected
<u>1</u>	PP339691	Forward ✓✓✓	C1-, C2-, C3-, A4-	✓✓✓ Detected
<u>1</u>	PP339688	Forward XXX	Forward Missing	XXX limited coverage (excluded)
Acanthamoeba astronyxis/65658 Analyzed Accessions: 3				
<u>3</u>	AF239293 AY026242 MN239988	NA	No Mutations	✓✓✓ Detected
<u>1</u>	AF019064	Reverse XXX	Reverse Missing	XXX limited coverage (excluded)
<u>1</u>	OQ679418	Forward XXX	Forward Missing	XXX limited coverage (excluded)
		Probe XXX	C1-, T2-, G3-, C4-, C5-	
<u>1</u>	HE653911	Forward X	C1-, C2-, C3-, A4-, G5-, A6-, T7-, C8-, G9-, T10-, T11-, T12-, A13-	XX limited coverage (excluded)
		Reverse XXX	Reverse Missing	
<u>5</u>	LC310897 PP741727 MZ504294 MZ504291 OM021886	Forward XXX	Forward Missing	XXX limited coverage (excluded)
<u>1</u>	OQ247949	Forward XXX	Forward Missing	XX limited coverage (excluded)
		Probe ✓✓✓	G19T	
		Reverse XXX	Reverse Missing	
<u>1</u>	LC883917	Forward XXX	Forward Missing	XX limited coverage (excluded)
		Probe ✓✓	T12-	
<u>2</u>	KC493775 HQ007041	Forward XXX	Forward Missing	XXX limited coverage (excluded)
		Probe XXX	Probe Missing	
<u>1</u>	OP393107	Forward XXX	Forward Missing	XXX limited coverage (excluded)
		Probe XXX	C1-, T2-, T12A, G19T	
		Reverse XXX	Reverse Missing	
<u>1</u>	MN091379	Forward XXX	Forward Missing	XXX limited coverage (excluded)
		Probe XXX	Probe Missing	
		Reverse XX	T11A, C20A	
<u>1</u>	OQ247953	Forward XXX	Forward Missing	XXX limited coverage (excluded)
		Probe XXX	C5G, G19T, C20A	
		Reverse XXX	Reverse Missing	

No of Accessions	Accession Details	Oligo	Mutation	BDS Analysis Performance Prediction
Acanthamoeba stevensoni/65664 Analyzed Accessions: 3				
3	PV959962 AF019069 MK713912	NA	No Mutations	 Detected
1	PX272270	Forward	Forward Missing	 limited coverage (excluded)
Acanthamoeba cf. healyi/682864 Analyzed Accessions: 4				
2	GQ996533 GQ996532	NA	No Mutations	 Detected
1	GQ996530	Forward	A13T	 Not 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-	
		Reverse	+11C	
1	GU199434	Forward	Forward Missing	 limited coverage (excluded)
		Probe	C1-, A6-, A21-	
		Reverse	+11C	
1	GQ996531	Forward	C1-, C2-, C3-, A4-, G5-, A6-, T12C, A13G, C14T, G18C	 limited coverage (excluded)
		Probe	C4T, A6T, T12-, A13G, A18C, A21T, G24C	
		Reverse	Reverse Missing	
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

No of Accessions	Accession Details	Oligo	Mutation	BDS Analysis Performance Prediction
1	AY703021	Reverse XXX	Reverse Missing	XXX limited coverage (excluded)
Acanthamoeba royreba/32600 Analyzed Accessions: 2				
2	U07417 AF239299	NA	No Mutations	✓✓✓ Detected
Acanthamoeba pearcei/65662 Analyzed Accessions: 1				
1	AF019053	NA	No Mutations	✓✓✓ Detected
1	GU573879	Forward XXX	Forward Missing	XXX limited coverage (excluded)
Acanthamoeba byersi/2506114 Analyzed Accessions: 1				
1	MN153028	NA	No Mutations	✓✓✓ Detected
4	OR352425 PP767958 OR352420 LC883911	Forward XXX	Forward Missing	XXX limited coverage (excluded)
1	OQ247943	Forward XXX	Forward Missing	XX limited coverage (excluded)
		Probe ✓✓	+9C	
1	PV637010	Forward XXX	Forward Missing	XXX limited coverage (excluded)
		Reverse XXX	Reverse Missing	
1	OQ247944	Forward XXX	Forward Missing	XX limited coverage (excluded)
		Probe ✓✓	+9G	
3	OQ247940 PV637008 OQ247962	Forward XXX	Forward Missing	XXX limited coverage (excluded)
		Probe XXX	Probe Missing	
Acanthamoeba pustulosa/65663 Analyzed Accessions: 1				
1	AF019050	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
Acanthamoeba micheli/1675013 Analyzed Accessions: 1				
1	KP711387	NA	No Mutations	✓✓✓ Detected
Acanthamoeba pyriformis/1899168 Analyzed Accessions: 1				
1	KX840327	Probe ✓✓✓	C4T, C8T	✓✓✓ Detected

No of Accessions	Accession Details	Oligo	Mutation	BDS Analysis Performance Prediction
Acanthamoeba comandoni/65659 Analyzed Accessions: 1				
1	AF239294	Reverse XXX	C25T	XXX Not Detected
1	AF019066	Forward XX	C8T, C15T	XX limited coverage (excluded)
		Probe ✓✓✓	C8T	
		Reverse XXX	Reverse Missing	
Acanthamoeba tubiashi/65665 Analyzed Accessions: 0				
3	MT221441 LC883907 LC883910	Forward XXX	Forward Missing	XXX limited coverage (excluded)
1	AF019065	Reverse XXX	Reverse Missing	XXX limited coverage (excluded)