

Search Details

Job Title/ Assay Name : candidatropicalis(in)	Amplicon Sequence: GCCTGTTTGAGCGTCATTTCTCCCTCAAACCCCCGGGTTTGGTGTT GAGCAATACGCTAGGTTTGTGTTGAAAGAATTTAACGTGGAAACTTA TTTTAAGCGACTTAGGTTTATCCAAAAACGCTTATTTTGCTAGTGGC CACCACAATTTATTTTCATAACTTTGACCTCCAATCAGGTAGGACTAC CCGCTGAACTTAAGCATATCAATAAGCGGAGG
Effective Date : 2025-10-06	Forward: GCCTGTTTGAGCGTCRTTTC
Database : core_nt	Reverse: CCTCCGCTTATTGATATGCTTA
Alignment algorithm : blastN	Probe: TGCTAGTGGCCACCACAATTTATTTC
Exclusive Organism:	Inclusive Organism: Candida tropicalis (5482)
RID: E6R8Y36V014	Total Result: 2146
App Version: 1.0	

#Accessions	#Accession Details	Oligo	Mutation	Impact
Candida tropicalis/5482 Analyzed Accessions: 1046				
287	287	NA	No Mutations	Detected
20	20	Reverse	C1-, C2-	Oligos Bind, Amplify And Detected
12	MH793862 KT334804 KX664522 KU724354 EU266571 OR133331 PV638873 KX664523 MZ677183 KX015908 PV595936 KX015905	Reverse	C1-	Oligos Bind, Amplify And Detected
15	MW895462 LT837795 PP352582 MW895470 MW895468 MW895488 PP808752 PP808733 MW895918 KF728815 PP808742 PP808734 MT193534 PP808746 PP808739	Probe	C3T	Oligos Bind, Amplify And Detected
2	KU500418 KP675259	Probe	T4A	Oligos Bind, Amplify

#Accessions	#Accession Details	Oligo	Mutation	Impact
				And Detected
2	KP674817 KP675366	Reverse	C7A	Oligos Bind, Amplify And Detected
2	MN078123 KX664514	Forward	T14A	Oligos Bind, Amplify And Detected
1	PP264242	Probe	A15C	Oligos Bind, Amplify And Detected
2	KX664584 LC605185	Reverse	T8C	Oligos Bind, Amplify And Detected
1	MG599246	Reverse	T11A	Oligos Bind, Amplify And Detected
2	KP674955 KU724355	Probe	T7G	Oligos Bind, Amplify And Detected
24	24	Reverse	C1-, C2-, T3-	Oligos Bind, Amplify And Detected
32	32	Reverse	+6G	Oligos Bind, Amplify And Detected
17	17	Reverse	+7C	Oligos Bind, Amplify And Detected
1	KU724347	Probe	G9C	Oligos Bind, Amplify And Detected
		Reverse	C1-	
1	LC605182	Reverse	+6T	Oligos Bind, Amplify And Detected
1	PP808756	Reverse	+5T	Oligos Bind,

#Accessions	#Accession Details	Oligo	Mutation	Impact
				Amplify And Detected
1	MT490210	Reverse	+5S	Oligos Bind, Amplify And Detected
1	MG599193	Reverse	+9T	Oligos Bind, Amplify And Detected
1	MW895480	Probe	C3T	Oligos Bind, Amplify And Detected
		Reverse	C1-	
2	MG599192 MG599220	Reverse	+10A	Oligos Bind, Amplify And Detected
1	MW617303	Reverse	C1-, C7G	Oligos Bind, Amplify And Detected
2	KU724356 OP418396	Probe	T7G	Oligos Bind, Amplify And Detected
		Reverse	C1-	
4	PP795167 PP808745 PV563062 PQ677032	Reverse	C1-, C2-, T3-, C4-	Oligos Bind, Amplify And Detected
4	KX664613 KX664625 KX218267 KX664639	Reverse	+5C G	Oligos Bind, Amplify And Detected
1	MZ254931	Reverse	C1-, +6G	Oligos Bind, Amplify And Detected
3	MW358899 MW895919 MW895916	Reverse	C1-, C2-, C5G	Oligos Bind, Amplify And Detected
1	KJ830983	Reverse	C1-, +7C	Oligos Bind, Amplify And Detected

#Accessions	#Accession Details	Oligo	Mutation	Impact
2	KX664650 KX664647	Reverse	+6G G	Oligos Bind, Amplify And Detected
1	MG599209	Reverse	T12-	Oligos Bind, Amplify And Detected
2	ON312552 OR859787	Probe	C3T	Oligos Bind, Amplify And Detected
		Reverse	C1-, C2-	
13	MN913469 JF922865 MW617307 OR859800 OW985696 KX664660 MZ540422 MN327097 MZ254938 KC597824 KX664664 OK303417 MW829398	Reverse	C1-, C2-, T3-, C4-, C5-	Oligos Bind, Amplify And Detected
7	KP674781 KX664657 MK027127 MZ254947 MZ254945 MZ254942 MZ254941	Reverse	C7G, T8C	Oligos Bind, Amplify And Detected
2	KX664534 KX664532	Reverse	T3C, T8C	Oligos Bind, Amplify And Detected
2	KU724350 PV997567	Probe	T7G	Oligos Bind, Amplify And Detected
		Reverse	C1-, C2-, T3-	
3	PQ330912 PV478214 MW187297	Reverse	C1-, C2-, +7C	Oligos Bind, Amplify And Detected
12	MW113254 KX664562 KX664565 KX664610 KX664605 KX664640 KX664541 KX664577 KX664628 KX664609 KX664624 KX664556	Reverse	C1-, C2-, T3-, T8C	Oligos Bind, Amplify And Detected

#Accessions	#Accession Details	Oligo	Mutation	Impact
1	PV261160	Reverse	C1-, C2-, +6R	Oligos Bind, Amplify And Detected
1	KX664658	Reverse	C1-, C2-, T3-, C7T	Oligos Bind, Amplify And Detected
1	EF190225	Reverse	C1-, +6G C	Oligos Bind, Amplify And Detected
1	OW984068	Reverse	C1-, A10T, T11A	Oligos Bind, Amplify And Detected
21	21	Reverse	C1-, C2-, T3-, C4-, C5-, G6-	Oligos Bind, Amplify And Detected
1	KU724352	Probe	T7G, G9C	Oligos Bind, Amplify And Detected
		Reverse	C1-	
3	MT028123 KX664588 KX664593	Reverse	+6G, T8C	Oligos Bind, Amplify And Detected
1	KC544487	Probe	T4A	Oligos Bind, Amplify And Detected
		Reverse	+6A	
2	MT993844 OM523874	Reverse	T9-	Oligos Bind, Amplify And Detected
1	OK256197	Probe	T7G	Oligos Bind, Amplify And Detected
		Reverse	+6G	
1	MT350640	Reverse	T15C	Oligos Bind, Amplify And Detected

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1	MT659406	Probe	T4A	Oligos Bind, Amplify And Detected
		Reverse	+7C	
1	KX664531	Reverse	C1-, C2-, T3-, C4-, T9C	Oligos Bind, Amplify And Detected
39	39	Reverse	C1-, C2-, T3-, C4-, C5-, G6-, C7-	Oligos Bind, Amplify And Detected
1	KJ734197	Reverse	C5T	Oligos Bind, Amplify And Detected
12	KX664552 KX664555 KX664540 KX664597 KX664572 KX664583 KX664560 KX664576 KX664567 KX664548 KX664537 KX664568	Reverse	+5C G, T8C	Oligos Bind, Amplify And Detected
1	MZ254929	Reverse	C1-, C2-, T8C, A10T	Oligos Bind, Amplify And Detected
1	KX664626	Reverse	+6G G, T8C	Oligos Bind, Amplify And Detected
1	KC544510	Probe	T4A	Oligos Bind, Amplify And Detected
		Reverse	C1-, +7C	
6	KP675513 KP674971 KX664558 KP674818 KP675605 MT539195	Reverse	C1-, C2-, T3-, A10-	Oligos Bind, Amplify And Detected
1	KX664571	Reverse	C1-, C2-, T3-, C4-, C5-, T9C	Oligos Bind, Amplify And Detected
1	KM099075	Probe	T7G	Oligos Bind, Amplify

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		Reverse	C4T, C7G	And Detected
1	PQ774248	Probe	T7G	Oligos Bind, Amplify And Detected
		Reverse	C1-, C2-, T3-, C4-, C5-	
7	KX664539 KX664553 KX664554 KX664530 PQ635366 PQ635365 KX664536	Reverse	C1-, C2-, T3-, C4-, C5-, T8C	Oligos Bind, Amplify And Detected
1	KX664549	Reverse	T3C, T8C, T9C	Oligos Bind, Amplify And Detected
1	MN747846	Reverse	C7A, T8C, A10T	Oligos Bind, Amplify And Detected
4	KX664606 KX664574 KX664659 KP675154	Reverse	C1-, C2-, T3-, T9-	Oligos Bind, Amplify And Detected
1	AF268095	Reverse	T3C, G13A	Oligos Bind, Amplify And Detected
2	MZ306028 KX664533	Reverse	T3C, G6C, T8C	Oligos Bind, Amplify And Detected
2	KP674773 KP675212	Reverse	C7G, T8C, A10T	Oligos Bind, Amplify And Detected
1	KP674873	Reverse	T8C, A10T, T11A	Oligos Bind, Amplify And Detected
6	KX664535 KY963098 KP674505 KP674774 EF198020 KP675604	Reverse	C1-, C2-, T3-, T8C, A10T	Oligos Bind, Amplify And Detected
26	26	Reverse	C1-, C2-, T3-, C4-, C5-, G6-, C7-, T8-	Oligos Bind, Amplify And Detected

#Accessions	#Accession Details	Oligo	Mutation	Impact
3	LC605183 KP675268 JQ966754	Reverse	+6A	Oligos Bind, Amplify And Detected
1	KP675426	Probe	T7G	Oligos Bind, Amplify And Detected
		Reverse	C1-, A10-	
1	FJ947158	Reverse	+14A	Oligos Bind, Amplify And Detected
2	KP674925 KP675100	Reverse	C1-, C2-, T3-, C7G, A10T	Oligos Bind, Amplify And Detected
1	OQ457267	Reverse	C1-, C2-, T3-, C7G	Oligos Bind, Amplify And Detected
1	KX664491	Probe	+5G	Oligos Bind, Amplify And Detected
		Reverse	C1-, C2-	
1	MT490211	Reverse	+5S, A10-	Oligos Bind, Amplify And Detected
1	KU962010	Reverse	+4G, C7G, T9C	Oligos Bind, Amplify And Detected
2	KY112741 KP675551	Probe	T7G	Oligos Bind, Amplify And Detected
		Reverse	C1-, C4T, A10T	
2	MT377707 KX664589	Reverse	C1-, C7G, T8C, A10T	Oligos Bind, Amplify And Detected
1	KU724349	Probe	T7G	Oligos Bind, Amplify And Detected
		Reverse	+4T	

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1	MW895917	Probe	C3T	Oligos Bind, Amplify And Detected
		Reverse	+6G	
1	MK027139	Reverse	T8C, A10T, +11A	Oligos Bind, Amplify And Detected
15	OR859793 KX977559 MW164786 OL544723 OR859812 PV478187 OR859808 MW182341 MG241513 MW132125 MZ227293 PQ651725 JF922863 JQ768048 MW131963	Reverse	C1-, C2-, T3-, C4-, C5-, G6-, C7-, T8-, T9-	Oligos Bind, Amplify And Detected
10	KX664582 JN159660 MF445107 JN159661 KP675018 KY963121 KF569950 KC544498 KP675121 KP675211	Reverse	+5C G, A10-	Oligos Bind, Amplify And Detected
2	EF197999 EF198007	Reverse	T3C, A10-, T11-	Oligos Bind, Amplify And Detected
1	KP674714	Reverse	+6G G, A10-	Oligos Bind, Amplify And Detected
1	KJ535096	Reverse	C1-, C2-, T3-, C4-, C7T	Oligos Bind, Amplify And Detected
2	EF190223 KU962005	Reverse	T3C, G6C, A10-	Oligos Bind, Amplify And Detected
2	KP675579 MZ254926	Reverse	T8C, A10T	Oligos Bind, Amplify And Detected

#Accessions	#Accession Details	Oligo	Mutation	Impact
4	OQ457266 KX664621 OK267832 MW741483	Reverse	C1-, C2-, T3-, C4-, C5-, A10-	Oligos Bind, Amplify And Detected
1	KX664594	Reverse	C1-, C2-, G6C, T8C, A10T	Oligos Bind, Amplify And Detected
4	MT876144 LC639851 PQ677027 PQ677039	Reverse	C1-, C2-, T3-, C4-, C5-, G6-, C7-, A10T	Oligos Bind, Amplify And Detected
1	KX664581	Reverse	T3C, T8C, A10-	Oligos Bind, Amplify And Detected
50	50	Reverse	C1-, C2-, T3-, C4-, C5-, G6-, C7-, T8-, T9-, A10-	Oligos Bind, Amplify And Detected
1	PV544892	Forward	T4C	Oligos Bind, Amplify And Detected
		Reverse	C1-, C2-, T3-, C4-, C5-	
1	KP674924	Reverse	C4T, C7G, A10T, T11A	Oligos Bind, Amplify And Detected
1	OP526921	Reverse	+6G, A10T	Oligos Bind, Amplify And Detected
1	KX664649	Reverse	C7G, +8C	Oligos Bind, Amplify And Detected
1	KY911538	Reverse	C7A, T8A	Oligos Bind, Amplify And Detected
31	31	Reverse	C1-, C2-, T3-, C4-, C5-, G6-, C7-, T8-, T9-, A10-, T11-	Oligos Bind, Amplify And Detected

#Accessions	#Accession Details	Oligo		Mutation	Impact
1	MK356083	Probe	A15-		Oligos Bind, Amplify And Detected
		Reverse	C1-, C2-		
3	MN914090 KP675020 ON736444	Reverse	C1-, C2-, C7T		Oligos Bind, Amplify And Detected
1	KP131819	Reverse	A10T		Oligos Bind, Amplify And Detected
1	MN913460	Probe	C3T		Oligos Bind, Amplify And Detected
		Reverse	C1-, C2-, T3-, C4-		
1	MW357731	Reverse	C7G		Oligos Bind, Amplify And Detected
1	MW895912	Reverse	C1-, C2-, T8C		Oligos Bind, Amplify And Detected
1	EU556325	Reverse	C7T		Oligos Bind, Amplify And Detected
1	KP675258	Probe	T4A		Oligos Bind, Amplify And Detected
		Reverse	C1-, C2-, T3-, C4-, C5-, A10-		
1	KP674944	Probe	T7G		Oligos Bind, Amplify And Detected
		Reverse	C4T, C7G, A10-		
1	KC544488	Probe	A18T		Oligos Bind, Amplify And Detected
		Reverse	C1-, C2-, T8G		
1	OP503380	Probe	C26T		Oligos Bind, Amplify And Detected
		Reverse	C1-, C2-		

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1	MW624335	Probe	G6A, T7G	Oligos Bind, Amplify And Detected
1	MK027210	Reverse	T8G, A10T, T11A	Oligos Bind, Amplify And Detected
1	PP101684	Reverse	C1-, C7G, T11A	Oligos Bind, Amplify And Detected
1	PV997568	Probe	T7G, A27C	Oligos Bind, Amplify And Detected
		Reverse	C7T	
2	KP675072 MN450879	Probe	T7G	Oligos Bind, Amplify And Detected
		Reverse	C1-, C2-, T3-, C4-, C5-, G6-, C7-, T8-, T9-, A10-	
1	MH037234	Probe	T4A	Oligos Bind, Amplify And Detected
		Reverse	C1-, C2-, T3-, C4-, C5-, G6-, C7-, T8-, T9-, A10-	
2	KP412255 KP412256	Probe	C26T	Oligos Bind, Amplify And Detected
		Reverse	C1-, C2-, T3-, C4-, C5-, G6-, C7-, T8-, T9-, A10-	
1	PP808754	Probe	C3T	Oligos Bind, Amplify And Detected
		Reverse	C4T	
1	PP808737	Probe	C3T, T7G	Oligos Bind, Amplify And Detected
1	KP675120	Reverse	C1-, C2-, +7C, A10T	Oligos Bind, Amplify And Detected
1	KY963109	Reverse	C7G, +7G	Oligos Bind, Amplify And Detected

#Accessions	#Accession Details	Oligo	Mutation	Impact
1	MZ045913	Reverse	A10-	Oligos Bind, Amplify And Detected
1	KX664652	Probe	T23A	Oligos Bind, Amplify And Detected
		Reverse	C1-, C2-, T3-, +9T	
1	OR853051	Probe	C3T	Oligos Bind, Amplify And Detected
		Reverse	C1-, C2-, T3-, C4-, C5-, G6-, C7-, T8-, T9-	
1	AB467292	Probe	C10G	Oligos Bind, Amplify And Detected
1	OP104697	Forward	+11G	Oligos Bind, Amplify And Detected
		Reverse	C1-, C2-, T3-, C4-, C5-, G6-	
1	PP475375	Reverse	T3C, C7G, A10-	Oligos Bind, Amplify And Detected
2	KP674700 AB467291	Reverse	C1-, C2-, T3-, A10-, T11-	Oligos Bind, Amplify And Detected
1	PQ677023	Reverse	C1-, C2-, G6C	Oligos Bind, Amplify And Detected
1	PP808748	Probe	C3T, T7G	Oligos Bind, Amplify And Detected
		Reverse	C4T	
1	MN327100	Probe	G6A	Oligos Bind, Amplify And Detected
		Reverse	C1-, C2-, T3-	
1	MW895909	Probe	C3G	Oligos Bind, Amplify And Detected
		Reverse	C1-, C2-, T3-, C4-, C5-, G6-, C7-, T8-	

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1	KX664663	Reverse	C1-, C2-, T3-, +9T	Oligos Bind, Amplify And Detected
1	MZ254928	Probe	+3A	Oligos Bind, Amplify And Detected
		Reverse	C7G, T8C, A10T	
1	MG817589	Probe	A12C	Oligos Bind, Amplify And Detected
		Reverse	C1-, T17G	
1	MW187301	Forward	T6G	Oligos Bind, Amplify And Detected
		Probe	A15C	
		Reverse	C1-, C2-, T3-, C4-, C5-, G6-, C7-, T8-, T9-	
1	AB467293	Probe	T7G	Oligos Bind, Amplify And Detected
		Reverse	C1-, C2-, C7G, T8C	
1	PQ834796	Probe	C3T, T7G	Oligos Bind, Amplify And Detected
		Reverse	C1-, C2-, +7C, A10T	
1	ON287229	Forward	G1-, C2-, C3-, T4-, G5-, T6-, T7-, T8-, G9-, A10-	Oligos Bind, Amplify And Detected
		Reverse	C1-	
2	KP675544 KY112743	Reverse	C1-, C2-, T3-, A10T	Oligos Bind, Amplify And Detected
1	KP675518	Probe	G6A	Oligos Bind, Amplify And Detected
		Reverse	C1-, C2-, T3-, C7T, A10T	
1	KP674984	Probe	G6A	Oligos Bind, Amplify And Detected
		Reverse	C1-, C2-, T3-, C7G, A10T	
1	KY711241	Probe	T1-	Oligos Bind, Amplify And Detected

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1	KC818415	Reverse	C1-, C2-, T3-, T11A, +11A	Oligos Bind, Amplify And Detected
1	KY397952	Probe	T7G, G9C	Oligos Bind, Amplify And Detected
		Reverse	C1-, C2-, C7G, T8C	
1	PQ677008	Forward	T14G	Oligos Bind, Amplify And Detected
		Reverse	C1-, C2-, T3-, C4-, C5-, G6-, C7-, T8-, T9-, A10-	
1	KP675019	Probe	G6A	Oligos Bind, Amplify And Detected
		Reverse	C1-, C2-, T3-, C4-, C5-, G6-, C7-, A10T	
1	KX664644	Probe	G2T, C3G	Oligos Bind, Amplify And Detected
		Reverse	C7G, +9T	
1	KY608222	Forward	G1-, +8T	Oligos Bind, Amplify And Detected
		Reverse	C1-, C2-, T3-, C4-, C5-, G6-	
1	OR091283	Forward	T6G, G11A	Oligos Bind, Amplify And Detected
1	HQ014736	Probe	T1-	Oligos Bind, Amplify And Detected
		Reverse	C1-, C2-, T3-	
1	MW132130	Reverse	C1-, C2-, C19T	Not Detected
1	FN652303	Probe	T7G, A12C	Not Detected
1	EF216862	Reverse	C1-, C4T, C19G	Not Detected
3	KX664561 PQ311667 DQ680841	Reverse	C1-, C2-, T3-, T12-	Not Detected
1	PQ159262	Reverse	C1-, C2-, T3-, C4-, +19G	Not Detected
1	KM519627	Probe	C3T, T7G, A27T	Not Detected
1	KP674520	Forward	A16G	Not Detected
		Reverse	G6T	

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1	KP674507	Reverse	C1-, C2-, G6T, T12-	Not Detected
2	KP675325 KP674775	Reverse	C1-, C2-, C5G, T12-	Not Detected
1	PQ774250	Reverse	C1-, C2-, C7G, T12-	Not Detected
1	KX664551	Reverse	T3C, G6C, T12-	Not Detected
1	PQ774246	Reverse	C1-, C2-, T3-, C4-, C5-, T12-	Not Detected
1	KY315563	Reverse	+21G G	Not Detected
1	KP675073	Probe	T7G	Not Detected
		Reverse	C1-, C2-, T3-, T12-	
2	PV370352 MT159922	Reverse	C1-, C2-, T3-, C4-, C5-, G6-, T12-	Not Detected
1	MT377705	Reverse	C1-, C7G, T8C, A10T, T15C	Not Detected
1	KX664590	Probe	T7G	Not Detected
		Reverse	T3C, G6C, T12-	
1	KU500416	Reverse	C1-, C2-, T3-, C4-, C5-, T12-, C19G	Not Detected
1	KX664642	Probe	T7G, A18T	Not Detected
		Reverse	C1-, +7C	
1	KP674947	Probe	T7G	Not Detected
		Reverse	C7G, C19G	
3	OK256196 PQ774245 PQ774249	Probe	T7G	Not Detected
		Reverse	C1-, C2-, C7G, T12-, T20C	
1	KP674511	Probe	T7G	Not Detected
		Reverse	C7G, A10-, C19G	
1	KT807956	Reverse	C1-, C2-, T3-, T8C, T12-	Not Detected
1	KP674510	Probe	T7G	Not Detected
		Reverse	C1-, C2-, T3-, C7G, T12-	
1	PQ159265	Reverse	C1-, C2-, T3-, C4-, G13T	Not Detected
1	KX664653	Probe	T7G	Not Detected
		Reverse	C7G, T8C, A10T, C19G	
2	PQ156033 KP675435	Reverse	C1-, C2-, T3-, C7T, C19T	Not Detected
1	MK215804	Reverse	C1-, C2-, T3-, C4-, C5-, G6-, C7-, T8-, T9-, T17A, C19G	Not Detected
1	KX426344	Reverse	C1-, C2-, T3-, T8C, T12-, G13-	Not Detected

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1	KX664622	Reverse	C1-, C2-, T3-, C4-, C5-, A10-, C19G	Not Detected
2	OQ457264 OQ457265	Reverse	C1-, C2-, T3-, C7G, T12-	Not Detected
1	OM523875	Forward	G1-	Not Detected
		Reverse	C1-, C2-, C7T, C19T	
1	KX349489	Reverse	C1-, C2-, T3-, C7T, A10T, G13T, A14T	Not Detected
1	PQ651733	Probe	T7G, A12C	Not Detected
		Reverse	C1-, C2-, T3-, C4-, C5-, G6-, C7-, T8-	
5	MH037232 MH037233 MH037229 MH037230 KP674513	Probe	T7G	Not Detected
		Reverse	C1-, C2-, T3-, C4-, C5-, G6-, C7-, T8-, T9-, A10-, T11-, C19G	
1	MH426601	Probe	T7G	Not Detected
		Reverse	T3C, G6C, T11-, T12-	
1	KP674514	Probe	T7G	Not Detected
		Reverse	C1-, C2-, G6C, T8G, A10T, C19G	
1	OR398621	Reverse	G6C, T11A, T17A, C19G	Not Detected
1	MF443857	Probe	T7G	Not Detected
		Reverse	C1-, C2-, T3-, C4-, C5-, T12-, G13-	
1	KX664620	Reverse	C7T, T12A, T21A	Not Detected
1	MK128797	Probe	T7G, C16A	Not Detected
		Reverse	C1-, C2-, C7T, T12-, T17G, C19A	
1	KP675097	Probe	T7G	Not Detected
		Reverse	T3C, G6C, T12-, C19G	
1	KP675585	Probe	C3T, T7G, A27T	Not Detected
		Reverse	C1-, C2-, A10T, T17A	
3	KX664587 KP674766 KX664586	Probe	T7G	Not Detected
		Reverse	C1-, C2-, T3-, C4-, C5-, G6-, C7-, T8-, T9-, A10-, C19G	
1	KX664645	Probe	T7G, A12C, A18T	Not Detected
		Reverse	C1-, C2-, T3-, C4-, C5-, G6-, T12-	
1	MK629652	Forward	C15-, A16-	Not Detected
		Reverse	C4T, C7G, T11A	
1	KP674764	Probe	T1G, T7G	Not Detected
		Reverse	C1-, C4T, C7G, T11A, C19G	
1	MN913459	Reverse	C1-, C2-, T3-, C4-, C5-, G6-, C7-, T8-, T9-, A10-, T11-, A16T, G18T, C19T	Not Detected
1	PQ860519	Probe	A5G, T7G	Not Detected
		Reverse	C1-, C2-, T3-, G6C, T12-	

#Accessions	#Accession Details	Oligo	Mutation	Impact
1	JN542555	Probe	G9-, C10-, A12C, +25C	Not Detected
1	KX664598	Probe	C3G	Not Detected
		Reverse	C4T, +9T, G18C, C19T	
1	MN171542	Probe	A15C, A27T	Not Detected
		Reverse	C7A, T9A, C19T	
1	MN759031	Probe	G6T, T7G, A27T	Not Detected
		Reverse	C1-, C2-, T3-, C4-, C5-, G6-, C7-, T17A, C19G	
1	ON358403	Probe	G6A, A15C, T19A	Not Detected
		Reverse	C7T, T21A	
1	KX664668	Probe	C3-	Not Detected
		Reverse	C1-, C2-, T3-, C4-, C5-, T17G	
1	KX664608	Probe	C3-, G6A, G8T	Not Detected
		Reverse	C1-, C2-	
1	PQ677033	Probe	A5G	Not Detected
		Reverse	C1-, C2-, T3-, G6C, A10T, T15G, T17G	
1	KP674970	Probe	T7G	Not Detected
		Reverse	G6C, T8G, A10T, T11A, C19G	
1	PP808750	Probe	C3G, T7G, C26T	Not Detected
		Reverse	C1-, C2-, C7T, T15A, C19T, T21A	
1	MK163925	Probe	C3G	Not Detected
		Reverse	C1-, C2-, T3-, C4-, C5-, G6-, C7-, A10T, A14T	
2	MZ536260 MZ536261	Reverse	C1-, C2-, T9C, T11A, T17C, T21A, A22G	Not Detected
1	MH037217	Probe	T7G, A12C	Not Detected
		Reverse	C1-, C2-, T3-, C4-, C5-, G6-, C7-, T8-, A16T	
1	KX664627	Probe	T7G, G9C, A12C, A18T	Not Detected
		Reverse	C1-, C2-, T3-, G6C, A10T	
1	MT350641	Reverse	C7A, T8A, T15C, C19A	Not Detected
1	KX664578	Probe	C3G, A12C, A15C, A27C	Not Detected
		Reverse	C1-, C2-, T3-, C4-, C7T, T17G	
1	KX664599	Probe	C3G	Not Detected
		Reverse	C1-, C2-, C7T, T12G, G18C, C19T	
1	LC639850	Probe	C3G, T23A	Not Detected
		Reverse	C1-, C2-, C7T, T12G, A16T	
1	FJ697166	Probe	T1G, T7G, A18T	Not Detected
		Reverse	C1-, C2-, T17A, C19G	
1	PP808749	Probe	C3G, A5G, T7G	Not Detected
		Reverse	C1-, C2-, T3-, C4-, C5-, G6-, C7-, T15A, T17A	

#Accessions	#Accession Details	Oligo	Mutation	Impact
1	KP674669	Probe	T7G, G9C, A18T	Not Detected
		Reverse	C1-, C2-, T3-, A10-, T11-, C19G	
1	PP808744	Forward	+8T, +13N	Not Detected
		Probe	C3T, T7G	
		Reverse	C1-, C2-, T3-, C4-	
1	MN944497	Probe	T7G, G9C, A18T	Not Detected
		Reverse	C1-, C2-, T3-, C4-, C5-, G6-, C7-, T8-, T9-, A10-, C19G	
1	MN795457	Reverse	C1-, C2-, T3-, T21A	Not Detected
1	KX664665	Probe	C3-	Not Detected
		Reverse	C1-, C2-, +7C, A10T, T17G	
1	MG817590	Probe	T7G, A18T, T21A	Not Detected
		Reverse	C1-, C2-, T3-, C7G, T11A, T17A, C19G	
1	KX664602	Probe	C3G, C26T, A27C	Not Detected
		Reverse	C1-, C2-, T3-, C4-, C5-, G6-, C7-	
1	ON394609	Probe	T4C, G6A, A15C, A27C	Not Detected
		Reverse	C1-, C2-, C7T, C19T	
2	MT372484 PP110437	Reverse	+6T, T15C, T21A	Not Detected
2	KP675461 KP675462	Probe	T7G, G9C, A12C, A18T	Not Detected
		Reverse	C1-, C2-, G6C, A10T, C19G	
1	PP214444	Probe	A12C, A15C, A17C	Not Detected
		Reverse	T15A	
1	KP674672	Probe	T7G, G9C, A18T	Not Detected
		Reverse	C1-, C2-, T3-, G6C, T12-, C19G	
1	KY102475	Probe	T1G, T7G, A12C, A15C	Not Detected
		Reverse	C1-, C2-, T3-, C4-, C5-, G6-, C7-, T8-, T9-, A10-	
1	MT490208	Probe	T4C, C13A, C16A	Not Detected
		Reverse	C1-, C2-, T3-, C4-, C5-, G6-, C7-, T8-, T9-, A10-, G13A, G18-	
1	KX664544	Probe	C3G, A12C, A15C, C26T	Not Detected
		Reverse	C1-, C2-, T3-, C4-, C5-, G6-, C7-, T8-, T9-, G13A	
1	MN900655	Probe	G2C, T7G, G9C, C16A, A18T	Not Detected
		Reverse	C1-, C7G, T8G, T11A, T17A, C19G	
1	KX664604	Reverse	C1-, C2-, T3-, C4-, C5-, G6-, C7-, T12G, A14T, T15A, T21A	Not Detected
1	OR268948	Forward	G1-, C2-, T6G	Not Detected
		Probe	G6A	
		Reverse	C1-, C2-, C7G, T12G	
1	MH425879	Probe	T7G, A12C	Not Detected
		Reverse	C1-, C2-, T3-, G6C, G13-, A16T	

#Accessions	#Accession Details	Oligo	Mutation	Impact
<u>1</u>	<u>MH426704</u>	Reverse	C1-, C2-, T3-, C4-, C5-, G6-, C7-, T8-, T9-, A10-, T11-, +17C, +21C	Not Detected
<u>1</u>	<u>PV621843</u>	Probe	T7G, A12C, A15C, A22T	Not Detected
		Reverse	C1-, C7G, T15A, C19G	
<u>1</u>	<u>KX664600</u>	Probe	C3G, A17C, A27C	Not Detected
		Reverse	C1-, C2-, T3-, C4-, C5-, G6-, T9A, A14T	
<u>1</u>	<u>KP674508</u>	Probe	G6T, T7G	Not Detected
		Reverse	C1-, C2-, T3-, C7G, A10T, T11A, C19G	
<u>1</u>	<u>KX664667</u>	Probe	C3G, A12C, A15C, A27C	Not Detected
		Reverse	C1-, C2-, C7G, A10T, +12T G, T17G	
<u>1</u>	<u>KX664595</u>	Probe	T7G, A12C	Not Detected
		Reverse	C1-, C2-, G6C, T8C, A10T, C19G	
<u>1</u>	<u>KX664615</u>	Probe	T7G, G9C, A12C	Not Detected
		Reverse	C1-, C2-, T3-, C4-, C5-, G6-, C7-, T11A, C19G	
<u>1</u>	<u>PQ677034</u>	Forward	T14A	Not Detected
		Probe	A5G, C16A	
		Reverse	C1-, C2-, T3-, C4-, C5-, G6-, C7-, T8-, T9-, A10-, T15G, T17A, C19G, T21A	
<u>1</u>	<u>KX664662</u>	Probe	T7-, A18T, +12C	Not Detected
		Reverse	C1-, C2-, C7G, A10-, C19G	
<u>1</u>	<u>KX664616</u>	Probe	T1G, T7G, A12C	Not Detected
		Reverse	C1-, C2-, T3-, T9A, T12-, C19G	
<u>1</u>	<u>KX664512</u>	Probe	T7G, A12C, A15C	Not Detected
		Reverse	C1-, C2-, T3-, G6C, T11A, A16T, C19G	
<u>1</u>	<u>MK880486</u>	Forward	C12-, C20-	Not Detected
		Probe	T7-	
		Reverse	C1-, C4T, C7G, C19G	
<u>1</u>	<u>KX664501</u>	Probe	C3G, G6A, A12C, A27C	Not Detected
		Reverse	C1-, C2-, C7T, T12G, T17G	
<u>1</u>	<u>KX664630</u>	Probe	G2T, C3G, A12C, A15C, A27C	Not Detected
		Reverse	C1-, C2-, C7T, T8C, T17G, T21A	
<u>1</u>	<u>MG309787</u>	Probe	G6A, T23A	Not Detected
		Reverse	C1-, C2-, T3-, C4-, C5-, G6-, C7-, A14T, C19T	
<u>1</u>	<u>KX218254</u>	Forward	C12G, A16C, C20T	Not Detected
		Reverse	C1-, C2-, A10T, T11A, A16T, C19G	
<u>1</u>	<u>PQ677035</u>	Probe	T1G, A5G, T7G, C16A	Not Detected
		Reverse	T3C, G6C, T12-, T17A, C19G	
<u>1</u>	<u>KP675253</u>	Probe	T1G, T7G	Not Detected
		Reverse	C1-, C2-, T3-, C4-, C5-, T12-, A16T, C19G	

#Accessions	#Accession Details	Oligo	Mutation	Impact
1	KP675553	Probe	C3T, G6T, T7G	Not Detected
		Reverse	C1-, C2-, T3-, C4-, C5-, G6-, C7-, T8-, T9-, A10-, T17A, C19G	
1	KX664579	Probe	C3G, A12C, A15C, T23A, C26T, A27C	Not Detected
		Reverse	C1-, C2-, T3-, G6C, G13A	
1	KP674509	Probe	G6T, T7G	Not Detected
		Reverse	C1-, C2-, T3-, C4-, C5-, G6-, C7-, T8-, T9-, A10-, C19G	
1	MH746021	Forward	T17A	Not Detected
		Probe	T4A, T7G, A15C, A27T	
		Reverse	C1-, C7G, T8C, G13T, G18T	
1	KX664506	Probe	C3G, G6A, T7G, A12C, A15C, A27C	Not Detected
		Reverse	C1-, C2-, C7T, T17G	
1	OM033486	Probe	A15C, A22T	Not Detected
		Reverse	C1-, C2-, T3-, C4-, C5-, A10G, T11C, C19A, T20C, T21A	
1	AB467294	Probe	T7G, A12C, A15C	Not Detected
		Reverse	C1-, C2-, T3-, A10-, C19G	
1	KC556813	Probe	G6T, T7G, A18T	Not Detected
		Reverse	G6C, C7G, T11A, T15A, T17A, C19G	
1	KP675465	Probe	C3G, T7G, A12C, A15C, A22T, A27C	Not Detected
		Reverse	C1-, C2-, T12G, A14T, T15A, T17G	
1	MK027142	Probe	T7G, A12C, A15C, A22T	Not Detected
		Reverse	C1-, C2-, T3-, C4-, C5-, G6-, C7-, A10T, A16T, C19G	
1	KP675379	Probe	G6T, T7G, A12C, A27T	Not Detected
		Reverse	C1-, C2-, C7G, A10T, T11A, T17A, C19G	
1	KP675098	Probe	G6T, T7G	Not Detected
		Reverse	C1-, C2-, T3-, C4-, C5-, G6-, C7-, T8-, T9-, A10-, A16T, T17A, C19G	
1	ON248028	Forward	A16-, T17-, T18-, T19-, C20-	Not Detected
		Reverse	C1-, C2-, T3-, C4-, C5-, G6-, C7-, T8-, T9-, A10-	
1	KX664601	Probe	A18T, A27-, +15C	Not Detected
		Reverse	C1-, C2-, T3-, C4-, C5-, G6-, A10T, T12G, G18C, C19T	
1	PP808736	Probe	C3G, A5T, T7G, C10G, A15C, C26T	Not Detected
		Reverse	C1-, C2-, C7T, G13A, T15A, C19T, T21A	
1	MN327098	Probe	G6A, T20C	Not Detected
		Reverse	C1-, C2-, T3-, T8C, T12-, G13-, G18T, C19T	
1	OR091276	Forward	G1-, C2-, T6G, G11A	Not Detected
		Probe	A27T	
		Reverse	T20A	
1	LC647056	Probe	C3G, G6A, C10G, A15C, A17C, C26T, A27C	Not Detected
		Reverse	C1-, C2-, C7T, T12G, G13A, T21A	

#Accessions	#Accession Details	Oligo	Mutation	Impact
1	PQ677028	Probe	T1G, A5G, T7G, C16A, A18T	Not Detected
		Reverse	G6C, T12-, A16G, T17A, G18A, C19G	
1	OR005373	Probe	C3T, T4G, G6T, C11A, A12T, A15G, T24G, A27C	Not Detected
		Reverse	C4A, C7G, A10T, C19T, A22T	
1	PP411412	Probe	C10G, A12C, A15C	Not Detected
		Reverse	G6C, +7G, A10T, C19T	
1	KX664634	Probe	G9C, C11A, A12C, A18T	Not Detected
		Reverse	C1-, C2-, T3-, T12-, A16T, G18T, C19G	
2	KX664569 MW617308	Probe	T7G, G9C, A12C, A18T	Not Detected
		Reverse	C1-, C2-, T3-, G6C, A10T, T20G	
1	KX664631	Probe	T7G, G9C, A12C, A18T	Not Detected
		Reverse	C1-, C2-, G6C, A10-	
1	KY209901	Probe	T7G, G9C, A12C, C16A, A18T, A22T	Not Detected
		Reverse	T3C, C7T, T11-, T12-, C19G	
1	KJ187753	Probe	G2C, A5G, T7G, A12C, C14A, C16A, A18T	Not Detected
		Reverse	T3C, T8G, A10T, G13-, A16T, C19G	
1	PQ677017	Probe	C3G, A5G, C16A	Not Detected
		Reverse	C1-, C2-, T3-, G6C, A10T, T15G, T17A, C19G, T21A	
1	MH744727	Probe	C3G, G6A, A12C, A15C, A17C, C26T, A27C	Not Detected
		Reverse	C1-, C2-, T3-, C4-, C5-, G6-, T17G, C19T, T21A	
1	EF392687	Probe	C10G, A12C, A15C, C26T	Not Detected
		Reverse	C7A, C19T	
1	MK153069	Probe	C10G, A22T, A27T	Not Detected
		Reverse	C4G, C7T, T11G, C19T, T21A	
1	KX664543	Probe	T7G, G9C, A12C, C16A, A18T, A22T	Not Detected
		Reverse	T3C, G6C, A10-, T20G	
1	KX664546	Probe	T1G, T7G, A12C, A15C, A18T	Not Detected
		Reverse	C1-, C2-, T3-, C4-, C5-, G6-, C7-, T8-, T9-, A10-, A16T, C19G	
1	MT460412	Probe	C3G, G6A, A12C, T23A, A27C	Not Detected
		Reverse	C1-, C2-, C7G, C19T	
1	KX664485	Probe	C3G, G6A, A12C, A15C, A17C, T23A, A27C	Not Detected
		Reverse	C1-, C2-, C7T, T12G, A14T, T17G, C19T	
1	KX664614	Probe	C3G, G6A, A12C, A15C, T23A, C26T, A27C	Not Detected
		Reverse	C1-, C2-, C5G, T8C, T17A, C19G	
1	KJ535101	Probe	T1G, T7G, C16A, A18T, A27T	Not Detected
		Reverse	C1-, C4T, C7G, T11A, A14G, A16T, T17A, C19G	
1	PP808743	Probe	C3G, A5T, T7G, C10G, A12C, A15C, A17C, A27C	Not Detected
		Reverse	C7T, T12G, G13A, T15A, T17G, C19T, T21A	

#Accessions	#Accession Details	Oligo	Mutation	Impact
1	KP675451	Probe	T1G, T4A, G6T, T7G, A12C, T21A, A27T	Not Detected
		Reverse	C1-, C2-, C7G, A10T, A16T, T17A, C19G, T20C	
1	MF380670	Probe	C3G, G6A, T7G, A12C, A15C, C16A, A27C	Not Detected
		Reverse	C1-, C2-, T3-, C7G, A10T, T15A, A16T, T17G, C19G	
1	KF472167	Probe	C3G, G8T, C13A	Not Detected
		Reverse	C1-, C2-, C7G, +13G, A16T, T17G, T21A	
1	KX664636	Probe	T1G, T7-, A15C, A17C, +21A	Not Detected
		Reverse	C1-, C2-, T3-, C4-, C5-, G6-, C7-, A10T, A14T, C19T	
1	PQ677024	Probe	A5G, C10G, C26T	Not Detected
		Reverse	C1-, C2-, T3-, C4-, C5-, G6-, C7-, T8-, T9-, A10-, C19A, T20A	
1	KP675269	Probe	C3G, G6A, A12C, A15C, T23A, A27C	Not Detected
		Reverse	C1-, C2-, T3-, C4-, C5-, T12G, T17G, C19T	
1	PQ677020	Probe	C3G, A5G, T7G, C10T, C16A	Not Detected
		Reverse	C1-, C2-, T3-, C4-, C5-, G6-, C7-, T8-, T9-, A10-, T11-, T15G, T17A, T21A	
1	JF922862	Probe	C10G, A12C, A22T, C26T	Not Detected
		Reverse	C1-, C2-, T3-, C4-, C5-, G6-, C7-, T8-, T21A	
1	KP674671	Probe	T1G, T4A, T7-, A12C, A15C, C16A, A22T, A27C	Not Detected
		Reverse	C1-, C2-, T3-, C4-, C5-, G6-, C7-, T8-, T9-, A10-, C19G, +19G	
1	MK356090	Probe	G2T, T4G, C10G, A15C, A27T	Not Detected
		Reverse	C1-, C2-, T3-, C4-, T12A, T17C, C19T, T21A, A22G	
1	KX622781	Probe	T1G, T4-, G6A, C10G, A12C, A15C, +21A	Not Detected
		Reverse	C1-, C2-, A10-, A14G, +17T, C19T	
1	MF423463	Probe	A5T, T7G, G9C, A12C, C16A, A18T	Not Detected
		Reverse	C1-, C2-, T3-, C4-, C5-, G6-, C7-, T8-, T9-, A10-, C19G, +19G	
1	AB467295	Probe	T1G, C3T, T7G, A12C, A15C, A18T, T21A, A27-	Not Detected
		Reverse	C1-, C4T, C7G, T11A, +15T, T17G, C19T	
1	KP675119	Probe	C3G, G6A, A12C, A15C, T21A, A27-, +9C	Not Detected
		Reverse	+5C G, T12-, A16T, T17A, C19G	
1	KP674512	Probe	T1G, G6T, T7G, A27T	Not Detected
		Reverse	C1-, C2-, T3-, C4-, C5-, G6-, C7-, T8-, T9-, A10-, T11-, T17A, C19G	
1	PP204096	Forward	G1-, T4G, G9A, T14C, C20T	Not Detected
		Reverse	C1-, C2-, T3-, C4-, C5-, G6-, C7-, T8-, T9-, A10-, A14T, C19T	
1	KX664550	Probe	A5T, T7G, G9C, A12C, A17T, A18T	Not Detected
		Reverse	G6C, A10-, C19T, T20G	
1	KX233860	Probe	T1G, T7G, A12C, A15C, T21A	Not Detected
		Reverse	C1-, C2-, T3-, C4-, C5-, G6-, C7-, T8-, T9-, A10-, T11-, A16T, C19G	
1	KP675689	Probe	T7G, A12C, A15C, C16A, A27T	Not Detected
		Reverse	G6C, +7G, A10T, T15A, A16T, T17A, C19G	

#Accessions	#Accession Details	Oligo	Mutation	Impact
1	MT443898	Forward	T6G, T7G, C12G, T14C, A16G	Not Detected
		Probe	C3G, T4C, G6A, A12C, C13A, A17T, T19G, A22C, C26A	
		Reverse	C5T, G6C, T12G, A14T, A16T, T21A	
1	KX015907	Probe	C10G, A12C, A15C	Not Detected
		Reverse	C19T	
1	OW986005	Probe	G6A, A12C, A15C	Not Detected
		Reverse	C1-, C2-, T3-, C4-, C5-, G6-, C7-, T12A, G13A, T17G, C19T	
1	KX664575	Probe	T7G, G9C, C16A, A17T, A18T	Not Detected
		Reverse	C1-, G6-, A10T, T12A, T20G, A22T	
1	JN009853	Probe	C10-, A17-, T23-	Not Detected
		Reverse	+4G, T12-, G18-	
1	PP077348	Probe	T1G, C3T, G6T, T7G, A12C, A15C, T21A, A27T	Not Detected
		Reverse	C1-, C2-, T3-, C4-, C5-, G6-, C7-, T11A, T15A, T17A, G18T	
1	KC415251	Probe	T1C, T7G, G9C, C16A, A18T, A22T	Not Detected
		Reverse	T8A, T11G, G13-, A14-, T20G, T21C	
1	PQ436495	Probe	C3G, A5T, A12C, A15C, A17C, C26T, A27C	Not Detected
		Reverse	C1-, T11A, T15A, T17A	
2	PV790052 PV790051	Forward	C15-, A16-, T17-, T18-, +10C	Not Detected
		Probe	T1G, T7G, A12C, A15C, T21A	
		Reverse	C1-, C2-, T3-, C4-, C5-, G6-, C7-, T8-, T9-, A10-, T11-, A16T, C19G	
1	KY495750	Probe	C3T, A5C, G6A, G8-, C13-, A15T, C16G, T21A, T23C, A27T	Not Detected
		Reverse	C1-, C2-, T3-, C4-, C5-, G6-, C7-	
1	OP658962	Probe	T4G, G6T, T7A, C10G, A12C, A15C, C26T, A27T	Not Detected
		Reverse	C1-, C2-, T3-, C4-, C5-, G6-, C7-, T12A, G13T, C19T, T20A, T21A	
2	KJ706893 KJ706257	Forward	G11A	Not Detected
		Probe	T4-, G9C, A18G, T19C, T21-, A22-, A27-, +7CC	
		Reverse	C1-, C2-, C7T	
1	KX664655	Probe	T4G, A5C, G6T, C10G, A12C, A15C, A22T, C26T, A27T	Not Detected
		Reverse	C1-, C2-, T3-, C7T, T12A, G13T, C19T, T20A, T21A	
1	KJ706416	Forward	G11A	Not Detected
		Probe	T4-, G9C, A18G, T19C, T21-, A22-, A27-, +7CC	
		Reverse	C1-, C2-, T3-, C7T	
1	KJ706575	Forward	G11A	Not Detected
		Probe	T4-, G9C, A18G, T19C, T21-, A22-, A27-, +7CC	
		Reverse	C1-, C2-, C7T, T21A	
1	PP980960	Probe	C3T, C13A, A15-, A18T, T25-, C26-, +7G	Not Detected
		Reverse	T8C, T9C, T11G, T15G, A16G, T17C, T21-	
1	KJ706734	Forward	G11A	Not Detected
		Probe	T4-, G8C, G9C, A18G, T19C, T21-, A22-, A27-, +7CC	

#Accessions	#Accession Details	Oligo	Mutation	Impact
		Reverse	C1-, C2-, C7T, A10T	
1	PP808757	Forward	A16G	Not Detected
		Probe	T1C, C3G, G6A, T7C, G9T, A17G, A18-, T20A, +23C	
1	EF194842	Probe	T1G, C3G, G6-, T7-, G8-, G9-, C10-, C11-, A12-, C13-, A15T, A18T, T19G, T20C, A22T	Not Detected
		Reverse	C1-, C2-, T3-, C4-, C5-, G6-, C7-, A10T	
1	MN124747	Forward	G1-, C2-, T6G, A10G, T14G	Not Detected
		Probe	T1-, C3G, T4A, T7C, G8C, A12C, A15C, A17C, T19G, T20C, A22-, A27-	
		Reverse	A10T	
1	MH802509	Forward	G1-, C2-, T6G, G11A, T14G	Not Detected
		Probe	T1G, T4A, A5G, T7C, A12C, A15C, T19C, T21-, A22-, A27T, +6C	
		Reverse	C1-, C2-, C7T, T9A, T12G, G13A, T17-	
28	28	Reverse	C1-, C2-, T3-, C4-, C5-, G6-, C7-, T8-, T9-, A10-, T11-, T12-	limited coverage (excluded)
20	20	Reverse	C1-, C2-, T3-, C4-, C5-, G6-, C7-, T8-, T9-, A10-, T11-, T12-, G13-	limited coverage (excluded)
17	17	Reverse	C1-, C2-, T3-, C4-, C5-, G6-, C7-, T8-, T9-, A10-, T11-, T12-, G13-, A14-	limited coverage (excluded)
1	MH665535	Probe	C3T	limited coverage (excluded)
		Reverse	C1-, C2-, T3-, C4-, C5-, G6-, C7-, T8-, T9-, A10-, T11-, T12-	
11	PP919342 MN913472 OQ931867 OP108842 MK356086 MT102795 MZ723324 MT228733 OP104706 MK356087 PV232889	Reverse	C1-, C2-, T3-, C4-, C5-, G6-, C7-, T8-, T9-, A10-, T11-, T12-, G13-, A14-, T15-	limited coverage (excluded)
1	OR018819	Probe	T7G	limited coverage (excluded)
		Reverse	C1-, C2-, T3-, C4-, C5-, G6-, C7-, T8-, T9-, A10-, T11-, T12-, G13-	
7	OQ970200 PP751510 OP418501 OP104710 OP104711 EF192214 KC556815	Reverse	C1-, C2-, T3-, C4-, C5-, G6-, C7-, T8-, T9-, A10-, T11-, T12-, G13-, A14-, T15-, A16-	limited coverage (excluded)
337	337	Reverse	Reverse Missing	limited coverage (excluded)

#Accessions	#Accession Details	Oligo	Mutation	Impact
1	PV260606	Forward	G11A	limited coverage (excluded)
		Reverse	C1-, C2-, T3-, C4-, C5-, G6-, C7-, T8-, T9-, A10-, T11-, T12-, G13-	
1	MT443940	Probe	T7G	limited coverage (excluded)
		Reverse	C1-, C2-, T3-, C4-, C5-, G6-, C7-, T8-, T9-, A10-, T11-, T12-, G13-, A14-, T15-	
1	MF359894	Probe	A15-	limited coverage (excluded)
		Reverse	Reverse Missing	
1	MT876157	Forward	G1-, C2-, C3-, T4-, G5-, T6-, T7-, T8-, G9-	limited coverage (excluded)
		Reverse	C1-, C2-, T3-, C4-, C5-, G6-, C7-, T8-, T9-, A10-, T11-, T12-, G13-, A14-	
8	OR859817 MG818779 KY102451 MF797775 PV701803 AB437048 KC408969 KX766208	Probe	C3T	limited coverage (excluded)
		Reverse	Reverse Missing	
5	OP077321 MT422054 MF443855 MW164785 QQ652071	Probe	T7G	limited coverage (excluded)
		Reverse	Reverse Missing	
1	PP845226	Probe	T7G, A12C	limited coverage (excluded)
		Reverse	Reverse Missing	
1	MT228994	Probe	T7G	limited coverage (excluded)
		Reverse	C1-, C2-, T3-, C4-, C5-, G6-, C7-, T8-, T9-, A10-, T11-, T12-, C19G	
10	MN244481 MN244482 PV826895 KY106819 MG367280 KY106830 KY106845 KY106843 KY106825 KY106846	Forward	Forward Missing	limited coverage (excluded)
1	MK026350	Forward	G1-, C2-, C3-, T4-, G5-, T6-, T7-, T8-, G9-, A10-, G11-, C12-, G13-, T14-, C15-, A16-	limited coverage (excluded)
1	MN861068	Reverse	C1-, C2-, T3-, C4-, C5-, G6-, C7-, T8-, T9-, A10-, T11-, T12-, G13-, A14-, G18T	limited coverage (excluded)
2	OP104682 OP104683	Forward	A10T, G11C	limited coverage (excluded)
		Reverse	C1-, C2-, T3-, C4-, C5-, G6-, C7-, T8-, T9-, A10-, T11-, T12-, G13-, A14-, T15-, A16-	
1	KY102480	Probe	C16A, +15AC, +26A	limited coverage (excluded)
		Reverse	C1-, C2-, T3-, C4-, C5-, G6-, C7-, T8-, T9-, A10-, T11-, T12-, G13-, A14-, T15-, A16-	

#Accessions	#Accession Details	Oligo	Mutation	Impact
1	JQ640572	Probe	C3G	limited coverage (excluded)
		Reverse	C1-, C2-, T3-, C4-, C5-, G6-, C7-, T8-, T9-, A10-, T11-, T12-, G13-, A14-, T15-	
1	PV261168	Probe	T7G	limited coverage (excluded)
		Reverse	C1-, C2-, T3-, C4-, C5-, G6-, C7-, T8-, T9-, A10-, T11-, T12-	
1	KF806464	Reverse	C1-, C2-, T3-, C4-, C5-, G6-, C7-, T8-, T9-, A10-, T11-, T12-, G13-, C19-	limited coverage (excluded)
1	LC639853	Probe	C26T, A27C	limited coverage (excluded)
		Reverse	Reverse Missing	
1	MT443937	Probe	T7G, A12C	limited coverage (excluded)
		Reverse	C1-, C2-, T3-, C4-, C5-, G6-, C7-, T8-, T9-, A10-, T11-, T12-, G13-, A14-, T15-, A16-	
1	MH665539	Probe	C3T	limited coverage (excluded)
		Reverse	C1-, C2-, T3-, C4-, C5-, G6-, C7-, T8-, T9-, A10-, T11-, T12-, G13-, A14-	
3	PQ677012 PQ677011 PQ677036	Forward	T14G	limited coverage (excluded)
		Probe	A5G	
		Reverse	Reverse Missing	
1	MW786656	Reverse	C1-, C2-, T3-, C4-, C5-, G6-, C7-, T8-, T9-, A10-, T11-, T12-, T15G, G18C	limited coverage (excluded)
1	ON312547	Probe	T1G, T7G	limited coverage (excluded)
		Reverse	Reverse Missing	
1	MT159962	Probe	C13A	limited coverage (excluded)
		Reverse	Reverse Missing	
1	MF359925	Probe	+10A	limited coverage (excluded)
		Reverse	Reverse Missing	
1	OR196098	Probe	A5T	limited coverage (excluded)
		Reverse	Reverse Missing	
1	MG818782	Probe	A5G, A12C	limited coverage (excluded)
		Reverse	Reverse Missing	
1	OP104684	Probe	+26A	limited coverage (excluded)
		Reverse	Reverse Missing	
1	PV733946	Probe	T21A	limited coverage (excluded)
		Reverse	Reverse Missing	
1	PP930633	Probe	+12C	limited coverage (excluded)
		Reverse	Reverse Missing	

#Accessions	#Accession Details	Oligo	Mutation	Impact
1	PQ677018	Probe	A5G, T7G, C16A	limited coverage (excluded)
		Reverse	Reverse Missing	
1	PQ677041	Probe	C3G	limited coverage (excluded)
		Reverse	C1-, C2-, T3-, C4-, C5-, G6-, C7-, T8-, T9-, A10-, T11-, T12-, T15G	
3	MG818785 MG818790 MK547240	Probe	C26T	limited coverage (excluded)
		Reverse	Reverse Missing	
1	MG818780	Probe	C3G, G6A, C26T, A27C	limited coverage (excluded)
		Reverse	Reverse Missing	
23	23	Probe	T23-	limited coverage (excluded)
		Reverse	Reverse Missing	
1	MT659654	Probe	+3A	limited coverage (excluded)
		Reverse	Reverse Missing	
2	MG211380 KY968319	Probe	T4A	limited coverage (excluded)
		Reverse	Reverse Missing	
1	MH263644	Forward	A16C	limited coverage (excluded)
		Reverse	Reverse Missing	
3	KF468204 KF468196 MK356080	Probe	C3-	limited coverage (excluded)
		Reverse	Reverse Missing	
1	OK338058	Probe	A27T	limited coverage (excluded)
		Reverse	Reverse Missing	
1	MF767878	Forward	A16G	limited coverage (excluded)
		Reverse	Reverse Missing	
1	MW113684	Probe	C3G, G6A	limited coverage (excluded)
		Reverse	Reverse Missing	
1	PQ677005	Forward	T14G	limited coverage (excluded)
		Probe	A5G, C26G	
		Reverse	Reverse Missing	
19	19	Probe	T7-	limited coverage (excluded)
		Reverse	Reverse Missing	
1	MG818800	Probe	T7G, A12C, A15C, T21A	limited coverage (excluded)
		Reverse	Reverse Missing	
1	PQ758706	Probe	T23A	limited coverage (excluded)
		Reverse	Reverse Missing	
1	PQ677025	Forward	T14G	limited coverage (excluded)
		Reverse	Reverse Missing	
1	MT443962	Probe	C3G, G6A, T7G	limited coverage

#Accessions	#Accession Details	Oligo	Mutation	Impact
		Reverse	Reverse Missing	(excluded)
1	OP104694	Probe	+18TT	limited coverage
		Reverse	Reverse Missing	(excluded)
1	MG818794	Probe	C3G, T4C, A17C	limited coverage
		Reverse	Reverse Missing	(excluded)
2	KF468197 KF468202	Forward	C20T	limited coverage (excluded)
		Probe	T7-	
		Reverse	Reverse Missing	
1	KP675466	Probe	C3G, G6A, T7G, A12C, A15C, A27C	limited coverage (excluded)
		Reverse	C1-, C2-, T3-, C4-, C5-, G6-, C7-, T8-, T9-, A10-, T11-, T12-, G13-, A14-, T15-	
1	MW132152	Probe	T25G	limited coverage (excluded)
		Reverse	Reverse Missing	
2	MG817573 MW894670	Probe	+26T	limited coverage (excluded)
		Reverse	Reverse Missing	
1	MG818788	Probe	G9T, A17-, A18G	limited coverage (excluded)
		Reverse	Reverse Missing	
3	MG817572 OR775523 MH918806	Probe	G8-	limited coverage (excluded)
		Reverse	Reverse Missing	
1	KX664496	Probe	T19-	limited coverage (excluded)
		Reverse	Reverse Missing	
1	MK163927	Probe	C3G, T4C, T7G, A22T, A27C	limited coverage (excluded)
		Reverse	Reverse Missing	
1	KC422426	Probe	G2T, C3G, G6A, A12C, A15C, A27C	limited coverage (excluded)
		Reverse	C1-, C2-, T3-, C4-, C5-, G6-, C7-, T8-, T9-, A10-, T11-, T12-, T17G, C19T, T21A	
1	PQ677026	Probe	A5G, T7G, C16A, A18T, C26G	limited coverage (excluded)
		Reverse	Reverse Missing	
2	GU373664 ON287231	Probe	T4C, T7G, A12C, A15C	limited coverage (excluded)
		Reverse	Reverse Missing	
1	JQ951603	Probe	+25C	limited coverage (excluded)
		Reverse	Reverse Missing	
1	MG818793	Probe	T1G, T7G, A12C, A18T, T21A, A22T	limited coverage (excluded)
		Reverse	Reverse Missing	
5	KY102474 MK356084 OW984132 MW357362 KY102454	Probe	T21-, A22-, T23A	limited coverage (excluded)
		Reverse	Reverse Missing	

#Accessions	#Accession Details	Oligo	Mutation	Impact
1	MG818799	Probe	C3G, T4C, A12C, A17C, +21A	limited coverage (excluded)
		Reverse	Reverse Missing	
2	LC768881 OQ726233	Forward	C20T	limited coverage (excluded)
		Reverse	Reverse Missing	
2	MT334399 MT643031	Forward	G9C	limited coverage (excluded)
		Probe	T4C	
		Reverse	Reverse Missing	
1	MH665540	Probe	C3T, T23-	limited coverage (excluded)
		Reverse	Reverse Missing	
1	ON248031	Forward	A16-, T17-, T18-, T19-, C20-	limited coverage (excluded)
		Reverse	Reverse Missing	
1	PP828668	Probe	T20A, T23-	limited coverage (excluded)
		Reverse	Reverse Missing	
4	PP657450 PP657455 ON142634 PP657447	Probe	A27-	limited coverage (excluded)
		Reverse	Reverse Missing	
1	MH918802	Forward	T4G	limited coverage (excluded)
		Reverse	Reverse Missing	
1	KU724358	Forward	T4C, C20T	limited coverage (excluded)
		Reverse	Reverse Missing	
1	MK547225	Probe	+1G	limited coverage (excluded)
		Reverse	Reverse Missing	
1	MK373019	Probe	C3T, T21-, A22-, T23A	limited coverage (excluded)
		Reverse	Reverse Missing	
1	KF468199	Forward	C20T	limited coverage (excluded)
		Probe	C3-	
		Reverse	Reverse Missing	
1	OR636490	Forward	G13C	limited coverage (excluded)
		Reverse	Reverse Missing	
7	PP657449 PV172411 PV172412 KF385988 MF359899 KF385987 PV190661	Probe	C26-, A27-	limited coverage (excluded)
		Reverse	Reverse Missing	
1	AB861493	Probe	T7G, A18T	limited coverage (excluded)
		Reverse	Reverse Missing	
1	MW362370	Forward	T8G	limited coverage (excluded)
		Reverse	Reverse Missing	

#Accessions	#Accession Details	Oligo	Mutation	Impact
1	MH263647	Probe	T1A, T20A, T23-	limited coverage (excluded)
		Reverse	Reverse Missing	
2	AB437071 AB437077	Probe	+22T	limited coverage (excluded)
		Reverse	Reverse Missing	
1	MK226232	Probe	T1G, T4A, G6T, T7G, A12C, T21A, A27T	limited coverage (excluded)
		Reverse	C1-, C2-, T3-, C4-, C5-, G6-, C7-, T8-, T9-, A10-, T11-, T12-, G13-, A14-, T17G, T21A	
1	MK631999	Probe	+9C	limited coverage (excluded)
		Reverse	Reverse Missing	
1	PV926745	Probe	A22T, C26T	limited coverage (excluded)
		Reverse	Reverse Missing	
1	PP828663	Probe	T20G, T21C, T23-	limited coverage (excluded)
		Reverse	Reverse Missing	
1	KP658858	Probe	C14G, T23-	limited coverage (excluded)
		Reverse	Reverse Missing	
6	MZ648456 MF359897 JN675336 MK547218 MF359926 MG599231	Probe	T23-, T24-, T25-, C26-, A27-	limited coverage (excluded)
		Reverse	Reverse Missing	
1	MZ677182	Probe	C10G	limited coverage (excluded)
		Reverse	Reverse Missing	
2	MG818787 MN450884	Probe	T7G, G9C, A12C, C16A, A18T, A22T	limited coverage (excluded)
		Reverse	Reverse Missing	
1	MF797774	Probe	C3T, A27-	limited coverage (excluded)
		Reverse	Reverse Missing	
2	MF359907 MW357723	Probe	A22-, T23-, T24-, T25-, C26-, A27-	limited coverage (excluded)
		Reverse	Reverse Missing	
1	LC639855	Probe	C3-, C10G, A12C, A22T, A27-, +15C	limited coverage (excluded)
		Reverse	Reverse Missing	
2	PQ677016 PQ677009	Probe	A5G	limited coverage (excluded)
		Reverse	Reverse Missing	
1	ON142636	Probe	C3T, T24-, T25-, C26-, A27-	limited coverage (excluded)
		Reverse	Reverse Missing	
1	PV837987	Probe	+4N	limited coverage (excluded)
		Reverse	Reverse Missing	
2	KX781713 PQ459999	Forward	G1-, C20T	limited coverage (excluded)
		Reverse	Reverse Missing	

#Accessions	#Accession Details	Oligo	Mutation	Impact
1	OP104709	Probe	T21A, T24-, T25-, C26-, A27-	limited coverage (excluded)
		Reverse	Reverse Missing	
1	PQ677040	Probe	C3G, A5G, T7G, C16A	limited coverage (excluded)
		Reverse	Reverse Missing	
1	MH757422	Forward	+5G	limited coverage (excluded)
		Reverse	Reverse Missing	
6	ON142635 MF359914 OP143792 MF359893 MF359909 MF359910	Probe	T25-, C26-, A27-	limited coverage (excluded)
		Reverse	Reverse Missing	
2	MK547217 MK547223	Probe	T24-, T25-, C26-, A27-, +1G	limited coverage (excluded)
		Reverse	Reverse Missing	
1	KC556819	Forward	T19A	limited coverage (excluded)
		Probe	T1G, G2C, T7G, A18T, A22T	
		Reverse	Reverse Missing	
3	PP828665 PP657448 MH424455	Probe	T20-, T21-, A22-, T23-, T24-, T25-, C26-, A27-	limited coverage (excluded)
		Reverse	Reverse Missing	
1	MK587454	Forward	A16T	limited coverage (excluded)
		Probe	+26T	
		Reverse	Reverse Missing	
5	MF359902 PP976553 MZ648455 OW982646 PP974467	Probe	T19-, T20-, T21-, A22-, T23-, T24-, T25-, C26-, A27-	limited coverage (excluded)
		Reverse	Reverse Missing	
1	MF359911	Probe	T4A, T21-, A22-, T23-, T24-, T25-, C26-, A27-	limited coverage (excluded)
		Reverse	Reverse Missing	
1	MH665534	Probe	T4G, T21-, A22-, T23-, T24-, T25-, C26-, A27-	limited coverage (excluded)
		Reverse	Reverse Missing	
1	LC632666	Probe	T7G, G9C, A12C, A18T, A22T	limited coverage (excluded)
		Reverse	Reverse Missing	
1	OK338057	Probe	T4A, T7G	limited coverage (excluded)
		Reverse	Reverse Missing	
1	DQ659349	Probe	T19-, T21G, A22C	limited coverage (excluded)
		Reverse	Reverse Missing	
1	OP658947	Probe	G6T, T7A, C26-, A27T	limited coverage (excluded)
		Reverse	Reverse Missing	
1	MT482656	Probe	C3G, G6A, C26-, A27-	limited coverage (excluded)
		Reverse	Reverse Missing	

#Accessions	#Accession Details	Oligo	Mutation	Impact
2	KY102461 MF359920	Probe	T21-, A22-, T23-, T24-, T25-, C26-, A27-	limited coverage (excluded)
		Reverse	Reverse Missing	
1	KJ816904	Forward	C20T	limited coverage (excluded)
		Probe	T7-, A27-	
		Reverse	Reverse Missing	
1	MK973012	Probe	C3G, G6A, A12C, A15C, T23A, C26T, A27C	limited coverage (excluded)
		Reverse	Reverse Missing	
1	OK050771	Probe	T19-, T20-, T21-, A22-, T23-, T24-, T25-, C26-, A27-, +1G	limited coverage (excluded)
		Reverse	Reverse Missing	
1	MF359922	Probe	A15C, A18-, T19-, T20-, T21-, A22-, T23-, T24-, T25-, C26-, A27-	limited coverage (excluded)
		Reverse	Reverse Missing	
3	MG599186 MF769538 KC461916	Probe	A15-, C16-, A17-, A18-, T19-, T20-, T21-, A22-, T23-, T24-, T25-, C26-, A27-	limited coverage (excluded)
		Reverse	Reverse Missing	
6	AY208074 AY207080 ON248029 GQ424055 MK112616 PP934743	Forward	Forward Missing	limited coverage (excluded)
		Reverse	Reverse Missing	
1	MW197686	Probe	C3G, A15C, T20-, T21-, A22-, T23-, T24-, T25-, C26-, A27-	limited coverage (excluded)
		Reverse	Reverse Missing	
1	KT315911	Probe	C10G, A12C, A15C, C26T	limited coverage (excluded)
		Reverse	Reverse Missing	
1	MF359921	Probe	T4A, A15C, T19-, T20-, T21-, A22-, T23-, T24-, T25-, C26-, A27-	limited coverage (excluded)
		Reverse	Reverse Missing	
1	HM771639	Probe	T1G, T7G, A12C, A15C	limited coverage (excluded)
		Reverse	C1-, C2-, T3-, C4-, C5-, G6-, C7-, T8-, T9-, A10-, T11-, T12-, G13-, A14-, T15-, A16-, C19G	
1	MG707639	Probe	T24A	limited coverage (excluded)
		Reverse	Reverse Missing	
7	MH084835 MT159664 MT159569 MN520220 KY981526 PQ758703 MF359895	Probe	C13-, C14-, A15-, C16-, A17-, A18-, T19-, T20-, T21-, A22-, T23-, T24-, T25-, C26-, A27-	limited coverage (excluded)
		Reverse	Reverse Missing	
1	MW182560	Forward	T4G	limited coverage (excluded)
		Probe	C3T, T7G, A12C	
		Reverse	Reverse Missing	
1	MZ677181	Probe	C3G, A12C, A15C, T25-, C26-, A27-	limited coverage (excluded)
		Reverse	Reverse Missing	

#Accessions	#Accession Details	Oligo	Mutation	Impact
1	KX129760	Probe	T7-, A17-, A18-, T19-, T20-, T21-, A22-, T23-, T24-, T25-, C26-, A27-	limited coverage (excluded)
		Reverse	Reverse Missing	
1	OR941243	Forward	A16C	limited coverage (excluded)
		Probe	C3G, A5T, A12C, A15C, A22T, +25C	
		Reverse	Reverse Missing	
8	MF359923 MF359917 MF359918 KY102463 KJ740182 MF359915 MF359906 MF769537	Probe	A12-, C13-, C14-, A15-, C16-, A17-, A18-, T19-, T20-, T21-, A22-, T23-, T24-, T25-, C26-, A27-	limited coverage (excluded)
		Reverse	Reverse Missing	
1	MW181226	Forward	G1-, C2-, T6G, G11A, A16C	limited coverage (excluded)
		Probe	C3G, A12C, A27C	
		Reverse	Reverse Missing	
1	MZ798901	Probe	C3G, T4C, G6A, T7G, A15C, C16A, A22T, C26T, A27C	limited coverage (excluded)
		Reverse	Reverse Missing	
1	KP675688	Probe	C3G, G6A, T7G, A12C, A15C, A17C, T23A, A27C	limited coverage (excluded)
		Reverse	Reverse Missing	
1	MW197685	Probe	T1G, C3T, G6-, A12C, A15C, A17C, T19A, A27C	limited coverage (excluded)
		Reverse	Reverse Missing	
1	MF359919	Probe	A15-, C16-, A17-, A18-, T19-, T20-, T21-, A22-, T23-, T24-, T25-, C26-, A27-, +10A	limited coverage (excluded)
		Reverse	Reverse Missing	
3	MF359916 KY981524 MF359912	Probe	C11-, A12-, C13-, C14-, A15-, C16-, A17-, A18-, T19-, T20-, T21-, A22-, T23-, T24-, T25-, C26-, A27-	limited coverage (excluded)
		Reverse	Reverse Missing	
1	MF141038	Forward	C20T	limited coverage (excluded)
		Probe	A22-	
		Reverse	Reverse Missing	
1	OR075991	Probe	T4C, T7G, C10G, A12C, A15C, A22T, C26T, +18T	limited coverage (excluded)
		Reverse	Reverse Missing	
1	KJ734199	Probe	T1G, T4A, T7G, G9C, C16A, A18T, T21A, A27T	limited coverage (excluded)
		Reverse	Reverse Missing	
1	MT159703	Forward	G1-	limited coverage (excluded)
		Probe	C16-, A17-, A18-, T19-, T20-, T21-, A22-, T23-, T24-, T25-, C26-, A27-	
		Reverse	Reverse Missing	
1	OL860964	Probe	A12C, T19-, C26T, +7G	limited coverage (excluded)
		Reverse	Reverse Missing	
1	MG817586	Probe	T7-, A15-, C16-, A17-, A18-, T19-, T20-, T21-, A22-, T23-, T24-, T25-, C26-, A27-	limited coverage (excluded)

#Accessions	#Accession Details	Oligo	Mutation	Impact
		Reverse	Reverse Missing	
4	ON287236 MF445104 ON287235 LC617355	Probe	C10-, C11-, A12-, C13-, C14-, A15-, C16-, A17-, A18-, T19-, T20-, T21-, A22-, T23-, T24-, T25-, C26-, A27-	limited coverage (excluded)
		Reverse	Reverse Missing	
1	OR166475	Forward	C3G, G13C	limited coverage (excluded)
		Reverse	Reverse Missing	
1	MF359908	Probe	C14-, A15-, C16-, A17-, A18-, T19-, T20-, T21-, A22-, T23-, T24-, T25-, C26-, A27-	limited coverage (excluded)
		Reverse	Reverse Missing	
1	PP828660	Probe	G8A, G9A, C10A, T21A, T24-, T25-, C26-, A27-	limited coverage (excluded)
		Reverse	Reverse Missing	
1	KY981519	Forward	C20T	limited coverage (excluded)
		Probe	C14-, A15-, C16-, A17-, A18-, T19-, T20-, T21-, A22-, T23-, T24-, T25-, C26-, A27-	
		Reverse	Reverse Missing	
1	PQ677022	Forward	T4G, T14A, A16T	limited coverage (excluded)
		Probe	A5G, A18T	
		Reverse	Reverse Missing	
1	PV701811	Forward	G1-, C12G, A16C, C20T	limited coverage (excluded)
		Reverse	Reverse Missing	
1	MF445106	Probe	G8-, G9-, C10-, C11-, A12-, C13-, C14-, A15-, C16-, A17-, A18-, T19-, T20-, T21-, A22-, T23-, T24-, T25-, C26-, A27-	limited coverage (excluded)
		Reverse	Reverse Missing	
1	HQ014719	Probe	A17-, A18-, T19-, T20-, T21-, A22-, T23-, T24-, T25-, C26-, A27-	limited coverage (excluded)
		Reverse	Reverse Missing	
1	OP104696	Probe	C13-, C14-, A15-, C16-, A17-, A18-, T19-, T20-, T21-, A22-, T23-, T24-, T25-, C26-, A27-, +2TTA	limited coverage (excluded)
		Reverse	Reverse Missing	
1	OR105216	Probe	T7G, C10-, C11-, A12-, C13-, C14-, A15-, C16-, A17-, A18-, T19-, T20-, T21-, A22-, T23-, T24-, T25-, C26-, A27-	limited coverage (excluded)
		Reverse	Reverse Missing	
1	MW113253	Forward	A16C, C20T	limited coverage (excluded)
		Probe	A17-, A18-, T19-, T20-, T21-, A22-, T23-, T24-, T25-, C26-, A27-	
		Reverse	Reverse Missing	
2	MG599149 PV638872	Probe	T7-, G8-, G9-, C10-, C11-, A12-, C13-, C14-, A15-, C16-, A17-, A18-, T19-, T20-, T21-, A22-, T23-, T24-, T25-, C26-, A27-	limited coverage (excluded)
		Reverse	Reverse Missing	
1	MF359904	Probe	C13A, A15G, T20-, T21-, A22-, T23-, T24-, T25-, C26-, A27-, +10A	limited coverage (excluded)
		Reverse	Reverse Missing	
1	MG599140	Probe	G6-, T7-, G8-, G9-, C10-, C11-, A12-, C13-, C14-, A15-, C16-, A17-, A18-, T19-, T20-, T21-, A22-, T23-, T24-, T25-, C26-, A27-	limited coverage (excluded)

#Accessions	#Accession Details	Oligo	Mutation	Impact
		Reverse	Reverse Missing	
1	LC752257	Probe	T1G, A5G, G6T, T7G, A12C, A18T	limited coverage (excluded)
		Reverse	C1-, C2-, T3-, C4-, C5-, G6-, C7-, T8-, T9-, A10-, T11-, T12-, A16T, C19G	
1	JF916546	Probe	G2T, C3A, T7-, T19C, A22T, C26-, A27-	limited coverage (excluded)
		Reverse	Reverse Missing	
2	HQ014720 MK351603	Probe	C16-, A17-, A18-, T19-, T20-, T21-, A22-, T23-, T24-, T25-, C26-, A27-	limited coverage (excluded)
		Reverse	Reverse Missing	
1	OQ678895	Probe	T7-, G8-, G9-, C10-, C11-, A12G, A15C, T19A, A27-	limited coverage (excluded)
		Reverse	C1-, C2-, T3-, C4-, C5-, G6-, C7-, T8-, T9-, A10-, G18-, C19-, T20-	
1	MT159961	Probe	T4-, A5-, G6-, T7-, G8-, G9-, C10-, C11-, A12-, C13-, C14-, A15-, C16-, A17-, A18-, T19-, T20-, T21-, A22-, T23-, T24-, T25-, C26-, A27-	limited coverage (excluded)
		Reverse	Reverse Missing	
1	ON287232	Probe	T4C, T7G, A12C, A15C, T23-, T24-, T25-, C26-, A27-	limited coverage (excluded)
		Reverse	Reverse Missing	
6	MW811203 MW113256 JF714647 PQ758700 MW895914 MF423464	Probe	C3-, T4-, A5-, G6-, T7-, G8-, G9-, C10-, C11-, A12-, C13-, C14-, A15-, C16-, A17-, A18-, T19-, T20-, T21-, A22-, T23-, T24-, T25-, C26-, A27-	limited coverage (excluded)
		Reverse	Reverse Missing	
1	MW197680	Forward	T4G, G11C, A16T	limited coverage (excluded)
		Probe	T1G, C3T, T7G, A12C	
		Reverse	Reverse Missing	
1	KP675687	Probe	T7G, A12C, A15C, C16A	limited coverage (excluded)
		Reverse	Reverse Missing	
1	MH757418	Forward	G1-, T8G	limited coverage (excluded)
		Probe	T19-, T20-, T21-, A22-, T23-, T24-, T25-, C26-, A27-	
		Reverse	Reverse Missing	
228	228	Probe	Probe Missing	limited coverage (excluded)
		Reverse	Reverse Missing	
3	OR447426 MH000022 JX406280	Probe	G2-, C3-, T4-, A5-, G6-, T7-, G8-, G9-, C10-, C11-, A12-, C13-, C14-, A15-, C16-, A17-, A18-, T19-, T20-, T21-, A22-, T23-, T24-, T25-, C26-, A27-	limited coverage (excluded)
		Reverse	Reverse Missing	
1	MF359913	Probe	A15-, T20-, T21-, A22-, T23-, T24-, T25-, C26-, A27-, +10A	limited coverage (excluded)
		Reverse	Reverse Missing	
1	OL602276	Probe	T1G, T7G, G9C, A12C, C16A, A18T, A22T	limited coverage (excluded)
		Reverse	Reverse Missing	
1	OW985964	Forward	G1-, C2-, C3-, C20T	limited coverage (excluded)
		Probe	T25-, C26-, A27-	
		Reverse	Reverse Missing	

#Accessions	#Accession Details	Oligo	Mutation	Impact
1	KC765122	Probe	T1G, T4C, T7G, G9T, A12G, T19-, T20-, T21-, A22-, T23-, T24-, T25-, C26-, A27-	limited coverage (excluded)
		Reverse	Reverse Missing	
1	MF445103	Forward	C20T	limited coverage (excluded)
		Probe	G6-, T7-, G8-, G9-, C10-, C11-, A12-, C13-, C14-, A15-, C16-, A17-, A18-, T19-, T20-, T21-, A22-, T23-, T24-, T25-, C26-, A27-	
		Reverse	Reverse Missing	
1	KF468195	Forward	T6G, C12G	limited coverage (excluded)
		Probe	T7-	
		Reverse	Reverse Missing	
1	OP031643	Probe	T1G, A5-, G6-, T7-, G8-, G9-, C10-, C11-, A12-, C13-, C14-, A15-, C16-, A17-, A18-, T19-, T20-, T21-, A22-, T23-, T24-, T25-, C26-, A27-	limited coverage (excluded)
		Reverse	Reverse Missing	
1	PQ677010	Forward	T6A, G13A, T14C	limited coverage (excluded)
		Probe	C3G	
		Reverse	Reverse Missing	
1	KF710036	Probe	C3G, G6A, T7G, A12-, C13-, C14-, A15-, C16-, A17-, A18-, T19-, T20-, T21-, A22-, T23-, T24-, T25-, C26-, A27-	limited coverage (excluded)
		Reverse	Reverse Missing	
1	MF769549	Probe	C3-, C10-, C11-, A12-, C13-, C14-, A15-, C16-, A17-, A18-, T19-, T20-, T21-, A22-, T23-, T24-, T25-, C26-, A27-	limited coverage (excluded)
		Reverse	Reverse Missing	
1	PQ677014	Probe	C3G, A5G, T7G, G9T, C11A, C16A, A18T, C26A	limited coverage (excluded)
		Reverse	Reverse Missing	
1	OP850598	Forward	G1-, C2-, C3-, T4-, G5-, T6-, T7-, T8-, G9-, A10-, G11-, C12-, G13-, T14-, C15-, A16-, C20T	limited coverage (excluded)
		Reverse	Reverse Missing	
2	MN888792 HQ014721	Probe	C3G, G6A, T7A, C10G, A12C, A15C, T19A, T23A	limited coverage (excluded)
		Reverse	Reverse Missing	
1	PQ677030	Probe	T7A, C10G, A15C, T19A, T24A	limited coverage (excluded)
		Reverse	Reverse Missing	
1	KX151978	Probe	A5C, G6A, T7G, C10G, C14A, C16G, T19A, A22T, T23G	limited coverage (excluded)
		Reverse	Reverse Missing	
1	KY566171	Forward	G1-, C2-, T7C	limited coverage (excluded)
		Probe	G2-, C3-, T4-, A5-, G6-, T7-, G8-, G9-, C10-, C11-, A12-, C13-, C14-, A15-, C16-, A17-, A18-, T19-, T20-, T21-, A22-, T23-, T24-, T25-, C26-, A27-	
		Reverse	Reverse Missing	
1	MW113255	Forward	G1-, C2-, T6G, G11A, A16C	limited coverage (excluded)
		Probe	C3G, T7G, A12C, A15C, A27C	
		Reverse	Reverse Missing	

#Accessions	#Accession Details	Oligo	Mutation	Impact
1	PP062742	Probe	C10G, A12C, A15C, T19-, T20-, T21-, A22-, T23-, T24-, T25-, C26-, A27-	limited coverage (excluded)
		Reverse	Reverse Missing	
1	MN327092	Probe	T7-, T21-, A22-, T23-, T24-, T25-, C26-, A27-	limited coverage (excluded)
		Reverse	Reverse Missing	
1	PQ677038	Probe	T4G, T7A, C10G, A15C, T19A, T24A	limited coverage (excluded)
		Reverse	Reverse Missing	
1	ON312578	Probe	G2T, C3A, T7-, A12-, A15C, +20TA	limited coverage (excluded)
		Reverse	Reverse Missing	
1	MK356081	Forward	T6G, C12G, A16C, C20T	limited coverage (excluded)
		Probe	T25-, C26-, A27-	
		Reverse	Reverse Missing	
1	MT490209	Forward	T4G, C12G, C15A, C20G	limited coverage (excluded)
		Probe	T23-	
		Reverse	Reverse Missing	
1	KT315901	Probe	T4G, G6T, C10G, A12C, A15C, A22T, C26-, A27-	limited coverage (excluded)
		Reverse	Reverse Missing	
2	KX766196 MW362371	Forward	C20T	limited coverage (excluded)
		Probe	Probe Missing	
		Reverse	Reverse Missing	
1	KX303812	Forward	G1-, C2-, C3-, C12T, A16T	limited coverage (excluded)
		Probe	A12-, C13-, C14-, A15-, C16-, A17-, A18-, T19-, T20-, T21-, A22-, T23-, T24-, T25-, C26-, A27-, +5G	
		Reverse	Reverse Missing	
1	MF769543	Forward	T4C, T7G, T17C	limited coverage (excluded)
		Probe	C10-, C11-, A12-, C13-, C14-, A15-, C16-, A17-, A18-, T19-, T20-, T21-, A22-, T23-, T24-, T25-, C26-, A27-	
		Reverse	Reverse Missing	
1	MK142770	Probe	G2T, C3T, T4C, A5C, G6C, T7C, A12C, T19A, A22T, A27T	limited coverage (excluded)
		Reverse	Reverse Missing	
1	KP337903	Probe	T4-, G9C, A18G, T19C, T21-, A22-, A27-, +7CG	limited coverage (excluded)
		Reverse	Reverse Missing	
1	OK165575	Forward	Forward Missing	limited coverage (excluded)
		Probe	T1A, G2A	
		Reverse	T21A	
1	LC713267	Forward	A16G	limited coverage (excluded)
		Probe	T1C, C3G, G6A, T7C, G9T, A17-, A18G, T20A, +23C	
		Reverse	C1-, C2-, T3-, C4-, C5-, G6-, C7-, T8-, T9-, A10-, T11-, T12-, G13-	
1	KY106848	Forward	Forward Missing	limited coverage

#Accessions	#Accession Details	Oligo	Mutation	Impact
		Probe	T1-	(excluded)
1	KF385986	Forward	G1-, C2-, C3-, T8G, C12G, A16T	limited coverage (excluded)
		Probe	T24-, T25-, C26-, A27-	
		Reverse	Reverse Missing	
1	AY725426	Probe	T1A, C3G, T4A, G8-, G9-, C14-, A15-, C16T, A17G, T19A, T21A	limited coverage (excluded)
		Reverse	Reverse Missing	
1	KY106823	Forward	Forward Missing	limited coverage (excluded)
		Probe	T1-, G2-, C3-, T4-	
2	KU724348 MH365445	Forward	T6G	limited coverage (excluded)
		Probe	Probe Missing	
		Reverse	Reverse Missing	
1	KY106851	Forward	Forward Missing	limited coverage (excluded)
		Probe	+15C	
1	KY106847	Forward	Forward Missing	limited coverage (excluded)
		Probe	T1-, G2-, C3-, T4-, A5-, G6-	
1	JX960648	Probe	C3G, G6-, T7C, G8A, G9A, C10A, A12T, C16A, T21-, A22-, T23C, A27-	limited coverage (excluded)
		Reverse	C1-, C2-, T3-, C4-, C5-, G6-, C7-, T8-, T9-, A10-, T11-, T12-	
4	ON329128 ON329130 ON329127 ON329129	Forward	T6G, G11A	limited coverage (excluded)
		Probe	Probe Missing	
		Reverse	Reverse Missing	
1	GQ424050	Forward	G1-, C2-, C3-, T4-, G5-, T6-, T7-, T8-, G9-, A10-, G11-, C12-, G13-, T14-, C15-	limited coverage (excluded)
		Probe	T1C, A12C, A15G, A22G, C26-, A27-	
		Reverse	Reverse Missing	
1	ON248032	Forward	A16-, T17-, T18-, T19-, C20-	limited coverage (excluded)
		Probe	Probe Missing	
		Reverse	Reverse Missing	
1	MK541568	Probe	C3G, G6-, T7C, G8A, G9A, C10A, A12T, C16A, T21-, A22-, T23C, A27-	limited coverage (excluded)
		Reverse	Reverse Missing	
1	PV690264	Forward	G9A, C12A, A16T, T17G	limited coverage (excluded)
		Probe	A5T	
		Reverse	Reverse Missing	
1	PV701817	Forward	G1-, C2-, C3-, T4-, G5-, T6-, T7-, T8-, G9-, A10-, G11-, C12-, G13-, T14-, C15-, A16-, T17-	limited coverage (excluded)
		Probe	C3G, A12C, A15C, A18G, T20A, T25C, +23C	
		Reverse	Reverse Missing	
1	PP475376	Forward	C3G, T8G, A16T	limited coverage (excluded)
		Probe	C3T, A5T, T7G, A12C, C16A, A18T, A22T, +9GC	
		Reverse	Reverse Missing	

#Accessions	#Accession Details	Oligo	Mutation	Impact
23	23	Forward	Forward Missing	limited coverage (excluded)
		Probe	Probe Missing	
1	JN009855	Forward	T4C, T6G, A16T	limited coverage (excluded)
		Probe	T1G, G2T, C3T, A5T, T7G, A12C, A15C, A17C, A18T, A22T, C26T, A27T	
		Reverse	Reverse Missing	
1	MF380669	Forward	Forward Missing	limited coverage (excluded)
		Probe	Probe Missing	
		Reverse	C7G, T8C, A10T	
1	LC093046	Forward	T4C, T6G, A16T	limited coverage (excluded)
		Probe	Probe Missing	
		Reverse	Reverse Missing	
1	MF510172	Forward	T4G	limited coverage (excluded)
		Probe	Probe Missing	
		Reverse	Reverse Missing	
2	MN519568 OR526617	Forward	A16C	limited coverage (excluded)
		Probe	Probe Missing	
		Reverse	Reverse Missing	
1	MN904880	Forward	Forward Missing	limited coverage (excluded)
		Probe	Probe Missing	
		Reverse	A22T	
54	54	Forward	Forward Missing	limited coverage (excluded)
		Probe	Probe Missing	
		Reverse	Reverse Missing	
1	ON838650	Forward	Forward Missing	limited coverage (excluded)
		Probe	Probe Missing	
		Reverse	T21-, A22-	