

A) TCsat12

	10	20	30	40	50	60	70	80	90	100	
TCsat12con	TCAAAAATTATA	AACAATACAAC	TTTCCA	ACCCCTTCCCAGGG	CTCGAT	TTTTTTTAAAC	TTTTTTTATAATG	TAGAGTATTAAATGCT			88
				BstNI							
ChLG6-1	C.CC.A.GT.C.TC.T	TGC.CT	G.T	A.T	T.A	CC	TAAA	C			91
ChLG6-3	G.T	C.A.T	A.AC.T	A.T	T.A	CC.T	TAAA	C.T			94
ChLG6-2	AACA	AA	C.A.A.TT.T	T	A.A	T	CC.TT	A.C.C	C	C	88
ChLG6-4	A	C	A.A	T.T	T	A	C	G	C	CAC	86
DS497816.1-1				T	T	C	C.T	T	G.A		88
GG695015-10			T	A	T				CGC		87
TCsat12c128			T		T		G		A		88
DS497816.1-5		A		C	T	A	C.G		T		88
GG695407-23	T	G		A	AT	T	C	A	A	T	89
DS497816.1-6		G			T	G			T		86
TCsat12c11		G			C	T	T	A	A	T	89
GG695407-6		G	A	A	T	T	T	A	C.A	T	88
DS497816.1-2				A	T	C		C	T		88
TCsat12c127		T			T	T	T	G.T	A		88
GG695407-25	G				T	T	C	A	A	T	88
GG695407-12	G	A			T	T		AG.CA	A	T	88
GG695407-20	G	A			T	T		AG.CA	A	T	88
GG695407-27	G				T	T		A	A	T	88
TCsat12c120	G				T	T		CA	A	T	89
GG695407-10	G				T	T		A.CA	A	T	88
GG695407-18	G				T	T		A.CA	A	T	88
GG695407-14	G				T	T		A.CA	A	CT	88
GG695407-17	G				T	T		A.CA	A	T	88
GG695407-15	G				T	T		A.CA	A	T	88
GG695407-16	G				T	T		A.CA	A	T	88
TCsat12c17b			T		T	C	A	A	A	T	88
TCsat12c110b			T		T	C		A	A	T	88
TCsat12c133	G				T		T	A	A	T	89
GG695407-22	G				T	A	A	A	A	T	88
GG695407-2	T	C			T		A	A	A	T	88
GG695407-8	G				T		A	A	A	T	88
TCsat12c18		A		G				A	A	T	88
TCsat12c121b		G		G			G			G	88
GG695407-4	A	G	A				G		A		88
TCsat12c111a		G	A				G			G	88
GG695407-1				G					A		88
TCsat12c134		A	C						A		87
DS497816.1-3	T					T		G		T	88
DS497816.1-4						T		G		T	88
DS497816.1-7									T		87
TCsat12c121a					A	T	C				87
TCsat12c110a		G				T	T	G.T		T.A	88
GG695407-3	T	C		T		T		G		A	88
GG695407-28			T			T		G		A	89
TCsat12c15b		C				T		G		A	88
TCsat12c115b		C				T		G		A	88
TCsat12c12		G				T	T	G.T		A	88
TCsat12c119		C				T	T	G.T		T.A	88
GG694508-4				A	T		G	G		A	88
GG695407-7				A	T		G			A	88
TCsat12c17a		A				T		G		A	88
GG695407-24	G		T			T		G.G		A	88
GG695407-26						T		G		A	88
GG695407-9						T		G		A	88
GG695407-5						T.A		G		A	88
GG695407-11		G				T		G		A	88
GG695407-19		G				T		G		A	88
GG695407-13		G				T		G		A	88
GG695407-21		G				T		G		A	88
TCsat12c122b		C				T			C		88
GG695015-11			T		A	T			C	A	88
GG695015-12			T		A	T			C	A	88
GG695015-34			T		A	T			C		88
GG695015-17		C		T	A	T			C		88
GG695015-36		C		T	A	T			C		88
GG694508-3		A			A	T	C				88
TCsat12c125			T			TC	C				88
TCsat12c116						T	C				88
TCsat12c118		C				T	C				88
TCsat12c132		G				T	C			T	88
TCsat12c122a		G		A		T	C				88
TCsat12c124a						T	C				88
GG695015-1					A	T			C		77
GG695015-5					A	T			C		77
GG695015-30					A	T			C		77
GG695015-4			T			T	C				88
GG695015-32						T	C				88
GG695015-29			T			T	C				88
GG695015-28			T		A	T	C				88
GG695015-7		C			A	T	C				88

GG695015-31	---	...	C	...	---	...	TC	...	C	...	---	...	88
GG695015-3	---	...	...	---	...	...	TC	...	C	...	---	...	88
GG695015-2	---	...	...	---	...	...	TC	...	C	...	---	...	88
GG695015-14	---	...	C	...	---	...	TC	...	C	...	---	...	88
GG695015-24	---	...	...	---	...	T	A	...	C	...	---	T	88
GG695015-25	---	...	...	---	...	...	A	...	C	...	---	G	88
TCsat12c130b	---	...	T	...	---	A	...	...	C	...	---	T	88
GG695015-38	---	...	...	---	...	T	...	...	C	...	---	T	88
GG695015-8	---	...	C	...	---	A	...	...	C	...	---	T	88
GG695015-9	---	...	...	---	...	A	...	...	C	...	---	...	88
GG695015-39	---	...	...	---	...	AT	...	...	C	...	---	...	88
TCsat12c111b	---	...	...	---	...	A	...	...	C	...	---	...	88
GG695015-15	---	...	...	---	...	T	...	...	C	...	---	...	88
GG695015-16	---	...	...	---	...	T	...	...	C	...	---	...	88
TCsat12c15a	---	...	...	---	...	...	...	...	C	...	---	...	88
TCsat12c115a	---	...	...	---	...	...	...	...	C	...	---	...	88
GG695015-13	---	...	...	---	...	T	...	A	...	C	---	C	88
GG695015-37	---	...	...	---	...	...	...	A	...	C	---	...	88
GG695015-19	---	...	...	---	...	...	...	A	...	C	---	...	88
GG695015-35	---	...	...	---	...	...	...	A	...	C	---	...	88
TCsat12c130a	---	...	...	---	...	...	...	A	...	C	---	...	88
TCsat12c124b	---	...	...	---	...	...	...	A	...	C	---	C	88
GG694508-1	---	...	...	---	...	T	...	...	C	---	...	...	88
GG694508-2	---	...	C	...	---	...	...	TC	...	C	---	...	88
GG695015-33	---	...	...	---	...	...	...	A	...	C	---	...	88
GG695015-22	---	...	A	...	---	...	...	TC	...	C	---	C	88
GG695015-23	---	...	...	---	...	...	...	TC	...	C	---	C	88
GG695015-26	---	...	...	---	...	...	...	TC	...	C	---	C	88
GG695015-27	---	...	...	---	...	...	...	TC	...	C	---	C	88
GG695015-6	---	...	...	---	...	...	...	TC	...	C	---	C	88
GG695015-18	---	...	...	---	...	...	...	TC	...	C	---	C	88
GG695015-20	---	...	...	---	...	...	...	TC	...	C	---	C	88
GG695015-21	---	...	...	---	...	...	...	TC	...	C	---	C	88

	110	120	130	140	150	160	170	
TCsat12con	...	...	...	...	...	...	...	154
	C	T	T	C	G	A	C	A
ChLG6-1	...	T	...	CTA	...	G	A	C
ChLG6-3	...	T	...	...	...	T	A	...
ChLG6-2	...	...	...	AC	...	G	GA	...
ChLG6-4	...	TC	...	A	AC	...	GA	...
DS497816.1-1	...	...	...	A	...	A	...	...
GG695015-10	...	...	...	AAA	...	...	...	...
TCsat12c128	...	...	...	T	...	A	...	...
DS497816.1-5	...	...	...	...	...	G	A	...
GG695407-23	...	...	...	...	...	G	...	...
DS497816.1-6	...	...	...	T	...	AG	...	...
TCsat12c11	...	...	...	A	...	...	...	...
GG695407-6	...	...	...	T	...	T	...	...
DS497816.1-2	...	...	...	...	...	T	...	...
TCsat12c127	...	...	...	G	...	T	...	...
GG695407-25	...	...	...	T	...	C	...	...
GG695407-12	...	...	...	T	...	...	...	...
GG695407-20	...	...	...	T	...	...	...	...
GG695407-27	...	...	...	T	...	A	...	...
TCsat12c120	...	...	...	T	...	C	...	...
GG695407-10	...	...	...	T	...	C	...	...
GG695407-18	...	...	...	T	...	C	...	...
GG695407-14	...	...	...	T	...	...	...	...
GG695407-17	...	...	...	T	...	...	...	...
GG695407-15	...	...	...	T	...	...	...	...
GG695407-16	...	...	...	T	...	...	...	...
TCsat12c17b	...	...	...	T	...	...	...	...
TCsat12c110b	...	...	...	A	...	T	...	...
TCsat12c133	...	...	...	TT	...	C	...	...
GG695407-22	...	...	...	T	...	...	...	...
GG695407-2	...	...	...	A	...	T	...	...
GG695407-8	...	...	...	A	...	T	...	...
TCsat12c18	...	...	...	A	...	...	...	...
TCsat12c121b	...	...	...	...	...	...	...	...
GG695407-4	...	...	...	...	...	...	...	...
TCsat12c111a	...	...	...	...	...	...	...	...
GG695407-1	...	...	...	A	...	G	...	...
TCsat12c134	...	...	...	...	...	G	...	...
DS497816.1-3	...	...	...	T	...	C	...	...
DS497816.1-4	...	...	...	...	...	G	...	...
DS497816.1-7	...	...	...	...	...	...	...	...
TCsat12c121a	...	...	...	TT	...	C	...	...
TCsat12c110a	...	...	...	A	...	T	...	...
GG695407-3	...	...	...	T	...	C	...	...
GG695407-28	...	...	...	T	...	C	...	...
TCsat12c15b	...	...	...	TT	...	C	...	...
TCsat12c115b	...	...	...	TT	...	C	...	...
TCsat12c12	...	...	...	TT	...	C	...	...
TCsat12c119	...	...	...	TT	...	C	...	...

GG694508-4	.....C.....	153
GG695407-7	...T...T...C...T...	154
TCsat12c17a	...T...T...C...T...	154
GG695407-24	...T...T...C...T...	154
GG695407-26	...GT...C...T...	154
GG695407-9	.....C...T...	154
GG695407-5	...T...C...T...	154
GG695407-11	...T...C...T...	154
GG695407-19	...T...C...T...	154
GG695407-13	...T...G.C...T...	154
GG695407-21	...T...G.C...T...	154
TCsat12c122b	.....G.....	147
GG695015-11	.....T.....A.....	149
GG695015-12	.....A.....	149
GG695015-34	T...T.....A.....	149
GG695015-17	.....T.....A.....	149
GG695015-36	.....A.....A.....	149
GG694508-3	.....A.....	149
TCsat12c125	...T...T.....AA.....G...	156
TCsat12c116	.....A.....	154
TCsat12c118	.....A.....	154
TCsat12c132	T.....	154
TCsat12c122a	.....G.....	154
TCsat12c124a	.....	154
GG695015-1	.....T...T...AA.....	145
GG695015-5	.....T...T...AA.....	145
GG695015-30	.....T...T...AA.....	145
GG695015-4	.....T...T...AA.....	156
GG695015-32	.....T...T...AA.....	156
GG695015-29	.....T...T.A.AA.....	157
GG695015-28	.....T...T...AA.....	156
GG695015-7	.....T...T.A.AA.....	157
GG695015-31	.....T...T...AAT.....	150
GG695015-3	.....T...T...AAT.....	150
GG695015-2	.....T...T...AA.....	156
GG695015-14	.....T...T.A.AA.....	157
GG695015-24	.....C.....	154
GG695015-25	.....C.....	154
TCsat12c130b	.....	154
GG695015-38	.....	154
GG695015-8	.....	154
GG695015-9	.....A.....	155
GG695015-39	.....	154
TCsat12c111b	.....A.....T.....	154
GG695015-15	.....A.....	155
GG695015-16	.....	154
TCsat12c15a	.....A.....	155
TCsat12c115a	.....A.....	155
GG695015-13	.....	148
GG695015-37	.....A.....	149
GG695015-19	.....A.....	155
GG695015-35	.....	154
TCsat12c130a	.....	154
TCsat12c124b	.....	148
GG694508-1	.....	154
GG694508-2	.....	154
GG695015-33	...T.....A.....	155
GG695015-22	.....T...C.....	148
GG695015-23	.....T...C.....	148
GG695015-26	.....T...C.....	148
GG695015-27	.....T...C.....	148
GG695015-6	.....	148
GG695015-18	.....T.....A.....	149
GG695015-20	.....T.....A.....	149
GG695015-21	.....T.....A.....	149

B) TCsat13

	10	20	30	40	50	60	70	80	90	100	
TCsat13con	GTTATAGTAGGGAGCTCAGGATCAATTAAAAAT	TATTTTCAGAAATTTTCTCATTCC	TACCCCAAACTTATAGGGGTAAATTGGCCAAAAA								96
DS497894.1-1	A	AluI	DraI	TA	G.A.A.A.CA.C	TT	AGACAG.A.C				G 96
GG694187-21				C.T	A	T.TG	GAAA.A	C	AAG.G		G 96
DS497837.1-13	C	ACTCAG.C	C.A.CC	CTGCC.CG.G.C.CG	TC.C	TTC.AAAT	G.A				G 96
GG694367-10	C	ATTCAG.C	C.A.CC	CTGCC.CG.G.C.CG	TC.C	TTC.AAAT	G.A				G 96
GG694187-19	AA	T	G.C.T	G.A.A	CA	AA					96
GG694187-20	A	A	G.C.T	G	A	AA					96
GG694187-18					A		G				96
GG694187-6	A.A		T		A	TT					96
GG694187-11	A				A						96
GG694187-13					A.T		AA.TG	A			G 96
DS497894.1-5		T			G	T	AA.G	C.A	T		96
GG694367-8		T			G	T	AA.G	C.A	T		96
TCsat13cl133		T			G	T	AA.G	C.A	T		96
GG694187-15		T			A.G						96
GG694367-3	AA						AA.G	A			96
GG694367-7					A		AA.G	A			96
TCsat13cl137							G	A			95
TCsat13cl143							G	A			95
TCsat13cl148		T			G						96
TCsat13cl150		T			G						96
TCsat13cl134	A				A						96
TCsat13cl121a	A										96
DS497837.1-11					T		C	T			96
TCsat13cl124b		T					C	T			96
TCsat13cl155							C	T			96
TCsat13cl135	A.A										96
GG694187-1					T						93
DS497837.1-9		T									96
TCsat13cl129		T									96
TCsat13cl142		T									96
TCsat13cl14a	A										96
TCsat13cl15b											96
GG694187-8	A	T			A		AA.G.A	A			G 96
GG694187-3	A						AA.G	A			G 96
GG694187-4							G.AA.G	A			G 96
GG694187-9							AA.G	A			G 96
GG694367-2	AA				A	A					96
GG694367-6	AA.A				A	A					96
DS497837.1-5					T.T						96
TCsat13cl149		T			T						96
GG694187-12					A		A				96
TCsat13cl14b	C	T									96
TCsat13cl113		T			A.G						96
DS497837.1-2		T			G						96
DS497837.1-7											96
TCsat13cl147		A.T				A					96
TCsat13cl121b											95
TCsat13cl124a					A						96
DS497837.1-8	A				G						96
DS497894.1-6	A.A				G						96
TCsat13cl141	A.A				G						96
GG694187-2	C	T									96
GG694187-7	G.C	T									96
DS497837.1-4	C	T									96
TCsat13cl138	A				G						96
TCsat13cl139	A				G						96
DS497837.1-12					A						96
DS497837.1-10											96
TCsat13cl126											95
TCsat13cl131											95
TCsat13cl152											95
TCsat13cl118b	A				G						96
TCsat13cl118a	A.A										96
TCsat13cl15a		T			G						96
TCsat13cl154	A										96
TCsat13cl132		T									96
DS497894.1-3			C		G	A					96
GG694367-4			C		G	A					96
DS497837.1-6					A		AA.G				96
TCsat13cl140	A										96
TCsat13cl144	A										96
GG694367-9					A						96
DS497837.1-1	AA	A	T		G	T	AA.G				96
GG694187-5	G	C	T		G	A	AA.G	A			96
GG694187-10	G	C	T		G	A	AA.G	A			96
DS497837.1-3	C				A	A	AA.G	T	A		96
GG694187-14	C				A	A	C.AA.G.A	A			96
TCsat13cl127					A		A.G.A	A			95
GG694187-17	A	G	G		TG	A	GAAACA	C			96
DS497894.1-2	C	T			G	A	ACACCG				96
GG694187-16	C	A	C		G	A	AAATCG		T		96

DS497894.1-4
GG694367-5
GG694367-1

DSat13con	TTTGAAAATC	TTTATTTACATTC	CGGATCGAG	TTCG	TTTTTTGTACATGG	TACCTCTGAT	TATGCTCCA	
					KpnI			
DS497894.1-1		A.G.	T		AG	C.A.	G.C.	A..G.
GG694187-21		G.A	T	T	A	C.T.C	A.	A..T.A
DS497837.1-13					T.AG	A	C.T	
GG694367-10					T.AG	A	C.T	
GG694187-19	C.	A	T		TG		C	
GG694187-20		T	T		TG	C.TGC	C	
GG694187-18		C	T	TC	TG	G	C.TGC	C
GG694187-6		C	T	TT	A.TG	C.TGC	C	
GG694187-11		C	T	TC	TG	G	C.TGC	C
GG694187-13					T.AG	A	G	
DS497894.1-5		G			C			C.ATAATCCCTGATATGCTGGAGC
GG694367-8		G			C			C.ATAATCCCTGATATGCTGGAGC
TCsat13cl33		T			C			C.ATAATCCCTGATATGCTGGAGC
GG694187-15					T.AG	G.A	T	
GG694367-3					T.AG	T		C.A.T
GG694367-7					T.AG	T		C.A
TCsat13cl37					C	T.AG	A	T
TCsat13cl143					C	T.AG	A	T
TCsat13cl148					T.AG	A	T	C.AA
TCsat13cl150					T.AG	A	T	C.AA
TCsat13cl134					T.AG	A	T	C.A
TCsat13cl21a					T.AG	A	T	C.A
DS497837.1-11					T.AG	A	T	C.A
TCsat13cl124b					T.AG	A	T	C.A
TCsat13cl155					T.AG	A	T	C.A
TCsat13cl135					C	T.AG	A	T
GG694187-1					T.AG	A	T	C.AA
DS497837.1-9					C	T.AG	A	T
TCsat13cl129					C	T.AG	A	T
TCsat13cl142					C	T.AG	A	T
TCsat13cl14a					C	T.AG	A	T
TCsat13cl15b					C	T.AG	A	T
GG694187-8	A		T		C			
GG694187-3					C			T
GG694187-4	A				C.A			
GG694187-9					C			A
GG694367-2								T
GG694367-6								T
DS497837.1-5					C			A
TCsat13cl149					C			A
GG694187-12								T
TCsat13cl14b					T			C.G
TCsat13cl13								C
DS497837.1-2					C			
DS497837.1-7					C			
TCsat13cl147					G			C
TCsat13cl121b					T			C.G
TCsat13cl124a					T			C.G
DS497837.1-8					T			C.G
DS497894.1-6					T			C.G
TCsat13cl141					T			C.G
GG694187-2								C
GG694187-7					G			C
DS497837.1-4					C			
TCsat13cl138					C			
TCsat13cl139					C			
DS497837.1-12					C			
DS497837.1-10					C			
TCsat13cl126					C			
TCsat13cl131					C			
TCsat13cl152					C			
TCsat13cl118b					C			
TCsat13cl118a					C			
TCsat13cl15a					C			
TCsat13cl154					T			
TCsat13cl132					T			
DS497894.1-3					C			
GG694367-4					C			
DS497837.1-6					T			
TCsat13cl140					C			
TCsat13cl144					C			
GG694367-9					C			
DS497837.1-1	C							

GG694187-17	..A.....T...C...T..TG.....C.T.....	174
DS497894.1-2	.....TC..TCA.....TG..A.....C.TGC.....T..C...A.....A	174
GG694187-16	.....TGG.....G.....C.T.C.....	174
DS497894.1-4	.....TG..T.....G.....C.T.....T.....	174
GG694367-5	.....TG..T.....G.....C.T.....T.....	174
GG694367-1	.....TG..T.....TG.....C.T.....T.....	174

	210	220	230	240	250	260	270	280	290	300	
TCsat13con	GCAATCAAATTTGACATATTCAAATAAAGGGGGTAGTGGGGAATTAA										264

DS497894.1-1	AT.....G.G.....G..T.G..A.....G..CG.TCGGATCG.....GTTT..TGC.C..-G.GGCA.TC.-TTT..CG..-	266
GG694187-21	CT.....G.G.....T.....A.....T.....TT.C..T..G.TGTTAT.....TT.G..	260
DS497837.1-13	.....T.....	264
GG694367-10	.....T.....	264
GG694187-19	.....GG.....A.....T.....T.....G...C.A.....	264
GG694187-20	C.....G.G.....C..T.T..T.TC...A.....A.....T.....T.....	263
GG694187-18	.....T.....G.....A.....T.....G.....	264
GG694187-6	.....T.....G.....A.....T.....G.....	264
GG694187-11	.....T.....G.....	264
GG694187-13	.....G.....T.....T.....	264
DS497894.1-5	.....C.....T.....	286
GG694367-8	.....C.....A.....G.....	286
TCsat13cl33	.....C.....A.....G.....	286
GG694187-15	.....G.....T.A.....T.....C.....	264
GG694367-3	.....A.....	264
GG694367-7	.....G.....A.....	264
TCsat13cl37	.....T.....	263
TCsat13cl143	.....T.....	263
TCsat13cl148	.....	264
TCsat13cl150	.....	264
TCsat13cl134	.....	264
TCsat13cl121a	.....	264
DS497837.1-11	.....	264
TCsat13cl24b	.....	264
TCsat13cl155	.....	264
TCsat13cl135	.....A.....	264
GG694187-1	.....T.....	261
DS497837.1-9	.....T.....	264
TCsat13cl129	.....T.....	264
TCsat13cl142	.....T.....	264
TCsat13cl14a	.....T.....	264
TCsat13cl15b	.....C.....	264
GG694187-8	.....C.....T.....T.....	264
GG694187-3	.....C.....A.....T.....T.....	264
GG694187-4	.....G.....C.....A.....T.....G.....	264
GG694187-9	.....C.....A.....T.....T.....G.....	265
GG694367-2	.....C.....T.....T.....	264
GG694367-6	.....C.....T.....T.....	264
DS497837.1-5	.....T.....TT.....	264
TCsat13cl149	.....T.....T.....T.....	264
GG694187-12	.....AA.....A.....	264
TCsat13cl14b	.....A.....	263
TCsat13cl113	.....T.....	264
DS497837.1-2	.....T.....G.....	264
DS497837.1-7	.....C.....A.....G.....	264
TCsat13cl147	.....	264
TCsat13cl121b	.....	263
TCsat13cl124a	.....A.....	264
DS497837.1-8	.....	264
DS497894.1-6	.....A.....	264
TCsat13cl141	.....A.....	264
GG694187-2	.....A.....	264
GG694187-7	.....T.....	264
DS497837.1-4	.....T.....	263
TCsat13cl138	.....A.....	264
TCsat13cl139	.....A.....	264
DS497837.1-12	.....	264
DS497837.1-10	.....A.....	264
TCsat13cl126	.....A.....	263
TCsat13cl131	.....A.....	263
TCsat13cl152	.....A.....	263
TCsat13cl118b	.....A.....	264
TCsat13cl118a	.....T.....	264
TCsat13cl15a	.....	264
TCsat13cl154	.....	264
TCsat13cl132	.....	264
DS497894.1-3	.....C.....	264
GG694367-4	.....C.....G.....	264
DS497837.1-6	.....	264
TCsat13cl140	.....T.....T.....	264
TCsat13cl144	.....T.....T.....	264
GG694367-9	.....A.....	264
DS497837.1-1	TT.....G.G.....T.G.....C...A.....T.....T.....T.....	264
GG694187-5	.....G.....T.....	264
GG694187-10	.....G.....T.....	264
DS497837.1-3	T.....G.G.....T.....	264

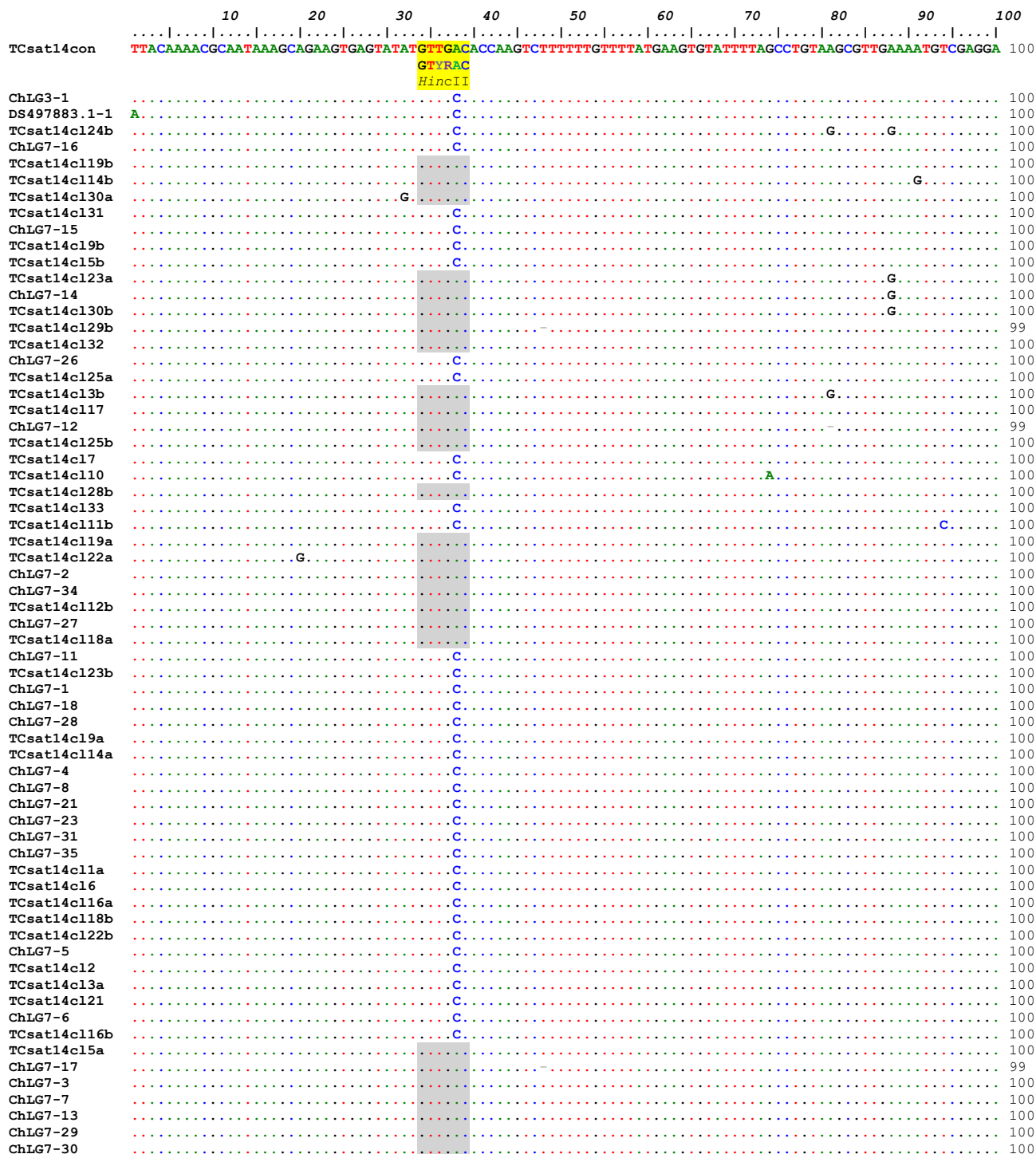
GG694187-14	T.....G.G.....	-----	.....	-----	.....	264
TCsat13cl27	T.....G.G.....	-----	.....	-----	.....	263
GG694187-17	TT.....G.G.....TTG.....A.....	-----	.....	-----	.....	264
DS497894.1-2	C.....T.G.....T.G.....A.....	-----	.....	-----	.....	264
GG694187-16	TTG...CG.G.....T.G.....A.....	-----	A.....	-----	T.T.....T.....T.....	264
DS497894.1-4	TT.....G.G.....T.....T.G.....A.....	-----	-----	264
GG694367-5	TT.....G.G.....T.....T.G.....A.....	-----	-----	264
GG694367-1	TT.....G.G.....T.....T.G.....A.....	-----	-----	264

TCsat13con	AT	266
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DS497894.1-1	-----	266
GG694187-21	..GTTT	266
DS497837.1-13	..-----	266
GG694367-10	..-----	266
GG694187-19	..-----	266
GG694187-20	..-----	265
GG694187-18	..-----	266
GG694187-6	..-----	266
GG694187-11	..-----	266
GG694187-13	..-----	266
DS497894.1-5	..-----	288
GG694367-8	..-----	288
TCsat13cl133	..-----	288
GG694187-15	..-----	266
GG694367-3	..-----	266
GG694367-7	..-----	266
TCsat13cl137	..-----	265
TCsat13cl143	..-----	265
TCsat13cl148	..-----	266
TCsat13cl150	..-----	266
TCsat13cl134	..-----	266
TCsat13cl21a	..-----	266
DS497837.1-11	..-----	266
TCsat13cl24b	..-----	266
TCsat13cl155	..-----	266
TCsat13cl135	..-----	266
GG694187-1	..-----	263
DS497837.1-9	..-----	266
TCsat13cl129	..-----	266
TCsat13cl142	..-----	266
TCsat13cl14a	..-----	266
TCsat13cl15b	..-----	266
GG694187-8	..-----	266
GG694187-3	..-----	266
GG694187-4	..-----	266
GG694187-9	..-----	267
GG694367-2	..-----	266
GG694367-6	..-----	266
DS497837.1-5	..-----	266
TCsat13cl149	..-----	266
GG694187-12	..-----	266
TCsat13cl14b	..-----	265
TCsat13cl113	..-----	266
DS497837.1-2	..-----	266
DS497837.1-7	..-----	266
TCsat13cl147	..-----	266
TCsat13cl121b	..-----	265
TCsat13cl124a	..-----	266
DS497837.1-8	..-----	266
DS497894.1-6	..-----	266
TCsat13cl141	..-----	266
GG694187-2	..-----	266
GG694187-7	..-----	266
DS497837.1-4	..-----	265
TCsat13cl138	..-----	266
TCsat13cl139	..-----	266
DS497837.1-12	..-----	266
DS497837.1-10	..-----	266
TCsat13cl126	..-----	265
TCsat13cl131	..-----	265
TCsat13cl152	..-----	265
TCsat13cl118b	..-----	266
TCsat13cl118a	..-----	266
TCsat13cl15a	..-----	266
TCsat13cl154	..-----	266
TCsat13cl132	..-----	266
DS497894.1-3	..-----	266
GG694367-4	..-----	266
DS497837.1-6	..-----	266
TCsat13cl140	..-----	266
TCsat13cl144	..-----	266
GG694367-9	..-----	266
DS497837.1-1	..-----	266
GG694187-5	..-----	266
GG694187-10	..-----	266

DS497837.1-3 .- ---- 266
GG694187-14 .- ---- 266
TCsat13c127 .- ---- 265
GG694187-17 .- ---- 266
DS497894.1-2 .- ---- 266
GG694187-16 .- ---- 266
DS497894.1-4 .- ---- 266
GG694367-5 .- ---- 266
GG694367-1 .- ---- 266

C) TCsat14



ChLG7-7	.....	310
ChLG7-13	.....	310
ChLG7-29	.....	310
ChLG7-30	.....	310
ChLG7-32	.....	310
TCsat14cl1b	.....	310
TCsat14cl11a	.....	310
TCsat14cl24a	.....	310
TCsat14cl26	.....	310
TCsat14cl35	.....	310
ChLG7-9	.....	312
ChLG7-22	.....	312
ChLG7-33	.....	312
ChLG7-10	.....	309
ChLG7-20	.....	309
ChLG7-24	.....	309
ChLG7-25	.....	309
TCsat14cl12a	.....	309
TCsat14cl29a	.....	309
TCsat14cl34	.....	309
ChLG7-19	.....	311
TCsat14cl28a	.....	311

Figure S6. The alignments of TCsat12 (**A**), TCsat13 (**B**), and TCsat14 (**C**) monomers. The consensus sequences representing the most prevailing nucleotide at each position are listed as the first sequences. Monomers extracted from the Tcas5.2 assembly are labeled “ChLG” (chromosome linkage groups), “DD” (unplaced scaffolds) or “GG” (unplaced singletons). PCR-generated copies are designated as “TCsat12/13/14” followed by the clone number, and the suffixes “a” and “b” denote two monomeric copies obtained from the same cloned insert. Identities between the compared monomers and the consensus sequence are indicated by dots (.), and dashes (-) indicate alignment gaps. The yellow boxes in the consensus sequences mark recognition sites for specific restriction endonucleases, and the corresponding positions in the monomers are indicated by gray boxes.