

Abbott Molecular ToTelVysion Telomere Base Pair Positions Reference Sheet														
Abbott List Number	ToTelVysion Mixture	CE Marked Product Description	Locus	Telomere	Previously Estimated Probe Size	Probe Size based on End Sequence	UCSC Browser Mar 2006 position	UCSC Browser Mar 2006 position	UCSC Browser Feb 2009 position	UCSC Browser Feb 2009 position	Within 300 Kb Unique Sequence	Within 800 Kb Unique Sequence	Within 300 Kb Unique Sequence	Within 800 Kb Unique Sequence
08L52-001	Mix #1	TelVysion 1p SpectrumGreen	CEB108/T7	1p	90 kb	100.6 Kb	932315	1033011	942452	1043148	X	-	X	-
		TelVysion 1q SpectrumOrange	VJYRM2123, 1QTEL10 (D153738, GDB: 9043912)	1q	100 kb	294 Kb	246673750	246967484	248607127	248900861	X	-	X	-
		TelVysion Xp/Yp SpectrumGreen and SpectrumOrange	DXYS129,DXYS153	Xp	175 kb	163 Kb	263557	426482	343557	506482	X	-	X	-
	Mix #2	TelVysion Xp/Yp SpectrumGreen and SpectrumOrange	DXYS129,DXYS153	Yp	175 kb	163 Kb	263557	426482	293557	456482	X	-	X	-
		TelVysion 2p SpectrumGreen	VJYRM2052 (GenBank U32389)	2p	175 kb	181 Kb	224267	405273	234267	415273	X	-	X	-
		TelVysion 2q SpectrumOrange	VJYRM2112 (D25447), 2QTEL47	2q	60 kb	73 Kb	242464858	242537443	242816185	242888770	X	-	X	-
	Mix #3	TelVysion 3p SpectrumGreen	3PTEL25 (D3S4559)	3p	184 kb	184 Kb	159320	343406	184320	368406	X	-	X	-
		TelVysion 3q SpectrumOrange	3QTEL05 (D3S4560)	3q	95 kb	96 Kb	198426470	198522312	196942073	197037915	-	X	-	X
		TelVysion 22q SpectrumOrange and SpectrumGreen	MS607 (GenBank X58044)	22q	80 kb	96 Kb	49425783	49521455	51078917	51174589	X	-	X	-
	Mix #4	TelVysion 4p SpectrumGreen	GS10K2/T7, 4pO2 (D4S3359, GDB: 6244599)	4p	145 kb	143 Kb	76938	220387	86938	230387	X	-	X	-
		TelVysion 4q SpectrumOrange	AFM A224XH1 (D4S2930)	4q	130 kb	147 Kb	190286602	190433304	190049608	190196310	-	X	-	X
	Mix #5	TelVysion 5p SpectrumGreen	C84c11/T3	5p	191 kb	210 Kb	403328	613466	350328	560466	X	-	X	-
		TelVysion 5q SpectrumOrange	GS3508/T7, 5QTEL70 (D5S2907)	5q	105 kb	114 Kb	180512401	180626621	180579795	180694015	X	-	X	-
	Mix #6	TelVysion 6p SpectrumGreen	6PTEL48	6p	80 kb	82 Kb	102887	185069	157887	240069	X	-	X	-
		TelVysion 6q SpectrumOrange	VJYRM2158	6q	100 kb	105 Kb	170622776	170728007	170780851	170886082	X	-	X	-
	Mix #7	TelVysion 13q SpectrumOrange and SpectrumGreen	VJYRM2002 (D13S327)	13q	75 kb	80 Kb	113996554	114076401	114978452	115058299	X	-	X	-
		TelVysion 7p SpectrumGreen	VJYRM2185 (GenBank G31341)	7p	60 kb	69 Kb	188249	257533	93166	162450	X	-	X	-
	Mix #8	TelVysion 7q SpectrumOrange	VJYRM2000 (GenBank G31340)	7q	93 kb	99 Kb	158551912	158650925	158859151	158958164	X	-	X	-
		TelVysion 14q SpectrumOrange and SpectrumGreen	D14S1420	14q	110 kb	109 Kb	106230238	106339460	107159193	107268415	X	-	X	-
	Mix #9	TelVysion 8p SpectrumGreen	AFM 197XG5 (D8S504, GDB: 199153)	8p	135 kb	160 Kb	967998	1128465	980591	1141058	-	X	-	X
TelVysion 8q SpectrumOrange		VJYRM2053	8q	100 kb	97 Kb	146042480	146139237	146071676	146168433	X	-	X	-	
Mix #10	TelVysion 17p SpectrumGreen * and SpectrumOrange	282M16/SP6	17p	70 kb	84 Kb	52271	136647	52271	136647	X	-	X	-	
	TelVysion 9p SpectrumGreen	305J7-T7	9p	115 kb	114 Kb	222269	336205	232269	346205	X	-	X	-	
Mix #11	TelVysion 9q SpectrumOrange	VJYRM2241 (D9S325)	9q	95 kb	106 Kb	140012329	140117995	140892508	140998174	X	-	X	-	
	TelVysion 17q SpectrumOrange and SpectrumGreen	D17S928 (GenBank Z23646)	17q	160 kb	161 Kb	77729512	77890931	80136223	80297642	-	X	-	X	
Mix #12	TelVysion 10p SpectrumGreen	10PTEL006 (GenBank Z96139)	10p	80 kb	83 Kb	251934	334930	261934	344930	X	-	X	-	
	TelVysion 10q SpectrumOrange	D10S2290	10q	116 kb	116 Kb	134955982	135072292	135105992	135222302	X	-	X	-	
Mix #13	TelVysion 15q SpectrumOrange and SpectrumGreen	WI-5214 (D15S936); Gen Bank-G04801	15q	100 kb	107 Kb	99915007	100022041	102097484	102204518	X	-	X	-	
	TelVysion 11p SpectrumGreen	D11S2071 (GenBank U12896)	11p	107 kb	121 Kb	189260	309814	199260	319814	X	-	X	-	
Mix #14	TelVysion 11q SpectrumOrange	D11S1037	11q	153 kb	153 Kb	134148704	134301424	134643494	134796214	X	-	X	-	
	TelVysion 18p SpectrumGreen and SpectrumOrange	VJYRM2102 (D18S552)	18p	160 kb	165 Kb	130409	295567	140409	305567	X	-	X	-	
Mix #15	TelVysion 12p SpectrumGreen	8M16/SP6	12p	100 kb	102 Kb	183679	285719	313418	415458	X	-	X	-	
	TelVysion 12q SpectrumOrange	VJYRM2196	12q	165 kb	164 Kb	132108689	132272888	133598616	133762815	X	-	X	-	
Mix #16	TelVysion 18q SpectrumOrange and SpectrumGreen	VJYRM2050, 18QTEL11, STSG193, AFM254VD5, CU18-010L/CU18-010R, STS-F04195, TIGR-A008P37, STSG52963	18q	170 kb	187 Kb	75818279	76005673	77717291	77904682	X	-	X	-	
	TelVysion 16p SpectrumGreen	16PTEL05, STSG608831; STSG608938	16p	142 kb	142 Kb	44237	185974	104237	245973	X	-	X	-	
Mix #17	TelVysion 16q SpectrumOrange	16QTEL013 (GenBank Z96319)	16q	110 kb	123 Kb	88569738	88693105	90042237	90165604	X	-	X	-	
	TelVysion 19p SpectrumGreen	129F16/SP6	19p	80 kb	90 Kb	241192	330833	290192	379833	X	-	X	-	
Mix #18	TelVysion 19q SpectrumOrange	D19S238E	19q	150 kb	193 Kb	63452778	63646072	58760966	58954260	X	-	X	-	
	TelVysion 20p SpectrumGreen	20PTEL18 (D20S1157)	20p	160 kb	164 Kb	41912	206227	93912	258227	X	-	X	-	
Mix #19	TelVysion 20q SpectrumOrange	20QTEL14	20q	140 kb	163 Kb	62230251	62393060	62759807	62922616	X	-	X	-	

Date of Version : December 10, 2012

* No difference in position between March 2006 and February 2009 versions of UCSC Browser (<http://genome.ucsc.edu>)

** Although, the sequence comparison indicates >96% homologous, the base pair positions suggest the clone is only 8.5 kb. This data should be interpreted with caution!