

a

Hotspot	Primer Name	Sequence (5' to 3')	Chromosome Location ¹	Fragment Size (bp)	Annealing Temp. (°C)
HLA-F Telo	1.1F	TCT CAT gTC ATC TgC TTC TTg g	29,790,748	1,941	64
	1.1R	CTC ACA Tgg CTA TTg gAA AAg g	29,792,689		
	1.2F	gAC CAg ACA ACA Agg AAC TgA g	29,792,666	3,470	64
	1.2R	TTg gTT gAA TAA CTg ggg TCA g	29,796,136		
	1.3F	CCT gAC CCC AgT TAT TCA ACC	29,796,134	2,623	62
	1.3R	TTC TgC CTC CCA TTC CAT AC	29,798,757		
NCR3 - AIF1	2.1F	gCT ggC Tgg ATg TAG TTg Ag	31,676,300	2,195	62
	2.1R	TgA TTg gAg Tgg ACA Agg Tg	31,678,495		
	2.2F	TCA CCT TgT CCA CTC CAA TC	31,678,494	1,922	62
	2.2R	gCC TTC CTT CAT TCT CTC ACC	31,680,416		
	2.3F	gAT ggg TAG TgT ggT TTC TgC	31,679,635	1,671	62
	2.3R	CCT TTg AgC CTg ggA gTg g	31,681,306		
DPA1-Telo	3.1F	TCT Tgg gTA CAT gCT AAC TTC C	33,128,468	3,108	64
	3.1R	ggA CAg ggC ACA TTC TTA gg	33,131,576		
	3.2F	CTg AAT gAA CCC TgC TCT gg	33,130,471	2,392	62
	3.2R	TgA ATA ACA AAT ggg CAA ACC	33,132,863		
	3.3F	CCT AAg AAT gTg CCC TgT CC	33,131,576	2,797	62
	3.3R	gAg CAA Agg gCT gAA gAT TAT g	33,134,373		

¹Chromosome Location - Coordinates are based on the reference Human Genome Sequence Assembly (NCBI36.1)

b

Primer Name	Sequence (5' to 3')	Chromosome Location
1.1F	TCT CAT gTC ATC TgC TTC TTg g	29,790,748
1.s1	TCT gAg TAA AAA gTg CCT ggT g	29,791,266
1.s2	CAC CAg gCA CTT TTT ACT CAg A	29,791,284
1.s3	CCT ATT gTg TTT TCC ATT CC	29,791,689
1.s4	gAA TgC CCA CCC AgT AgC	29,791,829
1.s5	CCT CAA TAC CCA Agg CTC Tg	29,792,260
1.s6	CAg AgC CTT ggg TAT TgA gg	29,792,279
1.2F	gAC CAg ACA ACA Agg AAC TgA g	29,792,666
1.s7	gCC TTT TCC AAT AgC CAT gT	29,792,687
1.1R	CTC ACA Tgg CTA TTg gAA AAg g	29,792,689
1.s8	TAC Agg CAT gAg CCA CCA	29,793,275
1.s9	Tgg Tgg CTC ATg CCT gTA	29,793,297
1.s10	TgA ATg ACC AAg gTT ACA Cg	29,796,114
1.3F	CCT gAC CCC AgT TAT TCA ACC	29,796,134
1.2R	TTg gTT gAA TAA CTg ggg TCA g	29,796,136
1.s11	CCC TAA ACA gAg AAC CCT CCA	29,796,539
1.s12	ggC TgC AAg TAA TCC TCC Tg	29,796,665
1.s13	Tgg ATA ACA gAg ggA gAC CA	29,796,880
1.s14	gTg ACA gAg Tgg Tgg ggA CT	29,797,355
1.s15	CAg TCA CAA TgC CCC TCA C	29,797,704
1.s16	TCA ggg CTA Tgg AAT gAA gg	29,797,838
1.s17	gTT AgC CAg gAT ggT CTC g	29,798,083
1.s18	AAA CTg gTC TCT gTC CTA TTT CA	29,798,392
1.3R	TTC TgC CTC CCA TTC CAT AC	29,798,757

c

Primer Name	Sequence (5' to 3')	Chromosome Location
2.1F	gCT ggC Tgg ATg TAG TTg Ag	31,676,300
2.s1	TTg AgA CAg AgT TTT gCT gTT g	31,676,691
2.s2	ATC ACg CCA TTg CAC TCC	31,676,712
2.s3	TgA CCT CgT gAT CCA CCT g	31,677,268
2.s4	Agg CAg gTg gAT CAC gAg	31,677,282
2.s5	ggg ATT ACA ggC gTg AgC	31,677,300
2.s6	CTg TgT TAG CCA gCA Tgg TC	31,677,816
2.s7	ggg CTg gAg TgC AAT gAC	31,677,985
2.s8	TCC TTC TAT gTT gCC CAg AC	31,678,065
2.2F	TCA CCT TgT CCA CTC CAA TC	31,678,494
2.1R	TgA TTg gAg Tgg ACA Agg Tg	31,678,495
2.s9	ggg ATg ACA ggA ggC TgA	31,678,683
2.s10	gAC AgA ATT TTg CTC TTg TTg C	31,678,725
2.s11	Agg Cgg CTT ACC CTg AAT	31,679,338
2.s12	ggg ATg ACA ggA ggC TgA	31,679,400
2.3F	gAT ggg TAG TgT ggT TTC TgC	31,679,635
2.s13	ggA Agg TgC TgC CTg AAT	31,679,968
2.s14	TTT TTg CgC TCT CAg CTC	31,680,018
2.s15	Tgg TCT gCC TCT CCg TCT	31,680,257
2.2R	gCC TTC CTT CAT TCT CTC ACC	31,680,416
2.s16	TCA CTC TgT CgC CCA gAC	31,680,806
2.s17	gCA gCA gCg ACA gAA AAg	31,680,855
2.3R	CCT TTg AgC CTg ggA gTg g	31,681,306

d

Primer Name	Sequence (5' to 3')	Chromosome Location
3.1F	TCT Tgg gTA CAT gCT AAC TTC C	33,128,468
3.s1	TgC TCA CAT ACC Agg ACT AAA AC	33,128,850
3.s2	ggA CAA AAC TgC TTC TAA TTg C	33,128,992
3.s3	TTC CTT CAT TTC TTA TCT CAT ACT CC	33,129,086
3.s4	CAC CCA ATC gCA TCA ATT TT	33,129,555
3.s5	Tgg gAT AAT TTg TTT AgC CAg TC	33,129,623
3.s6	TgT gAg CTg gCA TAA ACT gg	33,129,913
3.s7	ggg TAA AgA CCC TgC AAC AC	33,130,068
3.2F	CTg AAT gAA CCC TgC TCT gg	33,130,471
3.s8	gCA ggT AgC TTC AAA TCA gg	33,130,904
3.s9	TAT TCC CCg TgA CAg ACC TC	33,131,009
3.s10	ACC CCA AgT AAA gTC CAT gC	33,131,198
3.1R	ggA CAg ggC ACA TTC TTA gg	33,131,576
3.3F	CCT AAg AAT gTg CCC TgT CC	33,131,576
3.s11	TTC CCC AgA ggT gTT gTT TC	33,131,952
3.s12	CTC CTg ggg TTC ACT CTT Tg	33,132,111
3.s13	TTC TAg gAg gCC AAC CAg TC	33,132,506
3.s14	ggC TTC CAT ATC Cgg TTT TAC	33,132,547
3.s15	TTT TAC CTT gCC Tgg gTT Tg	33,132,849
3.2R	TgA ATA ACA AAT ggg CAA ACC	33,132,863
3.s16	CTC AAA TCT CAT Tgg CTg gAg	33,133,216
3.s17	CTg TCT gTT TgA Tgg TTg AAg C	33,133,328
3.s18	AgC AgA gAg ggA AgT gTT gC	33,133,448
3.s19	ATC CTC CCA TTT gCT CTC TC	33,133,603
3.s20	AAC ACA CCC CTg CCT gAC	33,133,827
3.s21	AAA AgC AgA ACC Agg ATT gg	33,133,899
3.3R	gAg CAA Agg gCT gAA gAT TAT g	33,134,373