KIR3DL1/S1 Polymorphisms by exon

Based on IPD-KIR nucleotide sequence alignment release 2.5.0

IB Jiménez-Velázquez, CA García-Sepúlveda

| | E1 | E2 | | E3 | | |

KIR3DL1/S1 Polymorphisms by exon

Based on IPD-KIR nucleotide sequence alignment release 2.5.0
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	E5														
Position	199	203	207	218	223	226	237	238	256	273	277	277	282	283	286
Ref	CCA	CCT	GCC	AGC	TGT	CGG	GAG	GGG	CAG	TTC	CGT	CGT	GAG	TGG	CCG
3DL1*0010101															
3DL1*0010102															
3DL1*00102															
3DL1*002					TGC			CGG							
3DL1*00401										TTT				TTG	
3DL1*00402										TTT				TTG	
3DL1*00403				AGT						TTT				TTG	
3DL1*0050101										TTT				TTG	
3DL1*0050102										TTT				TTG	
3DL1*00502										TTT				TTG	
3DL1*00503										TTT				TTG	
3DL1*006											TGT			TTG	
3DL1*0070101															
3DL1*0070102															
3DL1*008															
3DL1*009															
3DL1*01501															
3DL1*0150201					TGC										
3DL1*0150202					TGC										
3DL1*0150203					TGC										
3DL1*01503															
3DL1*01504					TGC										
3DL1*016															
3DL1*01701															
3DL1*01702					TGC										
3DL1*018															
3DL1*019										TTT				TTG	
3DL1*0200101															
3DL1*021										TTT				TTG	
3DL1*022											TGT				
3DL1*023															
3DL1*024N															
3DL1*025					TGC										
3DL1*026															
3DL1*027															
3DL1*028															
3DL1*0290101					TGC				AAG						
3DL1*0290102					TGC				AAG						
3DL1*030															
3DL1*03101															
3DL1*03102															
3DL1*032															
3DL1*033															
3DL1*034											TGT				
3DL1*035							GAT				TGT				
3DL1*036										TTT				TTG	
3DL1*037		ACT								TTT				TTG	
3DL1*038					TGC				AAG						
3DL1*039										TTT				TTG	
3DL1*040	CTA									TTT				TTG	
3DL1*041										TTT				TTG	
3DL1*042										TTT				TTG	
3DL1*043															
3DL1*044										TTT				TTG	
3DL1*051					TGC										
3DL1*052						CAG									
3DL1*053										TTT				TTG	
3DL1*054					TGC			CGG							
3DL1*056										TTT				TTG	
3DL1*057															
3DL1*059										TTT				TTG	CCA
3DL1*060										TTT				TTG	CCA
3DL1*061														TTG	
3DL1*062															
3DL1*063										TTT				TTG	
3DL1*064										TTT				TTG	CCA
3DL1*065										TTT				TTG	CCA
3DL1*066															
3DL1*067															
3DL1*068															
3DL1*069										TTT				TTG	
3DL1*070															
3DL1*071							GAT				TGT				
3DL1*072										TTT				TTG	
3DL1*073										TTT				TTG	
3DL1*074															
3DL1*075										TTT				TTG	
3DL1*076					TGC										
3DS1*010	CTA														
3DS1*011	CTA		CCG												
3DS1*012	CTA														
3DS1*0130101	CTA														
3DS1*0130102	CTA												GAA		
3DS1*0130103	CTA														
3DS1*01302	CTA														
3DS1*01303	CTA														
3DS1*014	CTA														
3DS1*045	CTA														
3DS1*046	CTA														
3DS1*047	CTA														
3DS1*048	CTA											CAT			
3DS1*049N	CTA														
3DS1*050	CTA														
3DS1*055	CTA														
3DS1*058	CTA														

	E6	E7															
Position		314	315	315	319	320	321	328	329	330	332	333	340	341	343	347
Ref		AAC	CCC	CCC	CAC	ATT	CTG	ATC	ATC	CTC	ATC	CTC	CAT	CTC	TGC	AAA
3DL1*0010101																
3DL1*0010102																
3DL1*00102																
3DL1*002																
3DL1*00401					CAT	GTT	CTC								TAC	
3DL1*00402					CAT	GTT	CTC								TAC	
3DL1*00403					CAT	GTT	CTC								TAC	
3DL1*0050101																
3DL1*0050102																
3DL1*00502																
3DL1*00503																
3DL1*006																
3DL1*0070101						GTT										
3DL1*0070102						GTT										
3DL1*008																
3DL1*009																
3DL1*01501																
3DL1*0150201																
3DL1*0150202																
3DL1*0150203																
3DL1*01503																
3DL1*01504																
3DL1*016																
3DL1*01701																
3DL1*01702																
3DL1*018																
3DL1*019					CAT	GTT	CTC								TAC	
3DL1*0200101																
3DL1*021					CAT	GTT	CTC								TAC	
3DL1*022																
3DL1*023																
3DL1*024N																
3DL1*025																
3DL1*026																
3DL1*027																
3DL1*028																
3DL1*0290101																
3DL1*0290102																
3DL1*030																
3DL1*03101																
3DL1*03102																
3DL1*032						GTT										
3DL1*033						GTT										
3DL1*034																
3DL1*035																
3DL1*036					CAT	GTT	CTC								TAC	
3DL1*037					CAT	GTT	CTC								TAC	
3DL1*038																
3DL1*039					CAT	GTT	CTC								TAC	
3DL1*040					CAT	GTT	CTC									
3DL1*041					CAT	GTT	CTC									
3DL1*042																
3DL1*043																
3DL1*044																
3DL1*051																
3DL1*052																
3DL1*053																
3DL1*054																
3DL1*056					CAT	GTT	CTC								TAC	
3DL1*057																
3DL1*059		ATC	TGC		CAT	GTT			TTC				TAT	CGC		AAG
3DL1*060		ATC	TGC		CAT	GTT			TTC				TAT	CGC		AAG
3DL1*061		ATC	TGC		CAT	GTT			TTC				TAT	CGC		AAG
3DL1*062																
3DL1*063					CAT	GTT	CTC								TAC	
3DL1*064		ATC	TGC		CAT	GTT			TTC				TAT	CGC		AAG
3DL1*065		ATC	TGC		CAT	GTT			TTC				TAT	CGC		AAG
3DL1*066																
3DL1*067																
3DL1*068						GTT										
3DL1*069					CAT	GTT	CTC								TAC	
3DL1*070																
3DL1*071																
3DL1*072					CAT	GTT	CTC								TAC	
3DL1*073																
3DL1*074																
3DL1*075																
3DL1*076														CGC		
3DS1*010				CTC				AAA		CCT	ACC	ATC		CGC		
3DS1*011				CTC				AAA		CCT	ACC	ATC		CGC		
3DS1*012				CTC				AAA		CCT	ACC	ATC		CGC		
3DS1*0130101				CTC				AAA		CCT	ACC	ATC		CGC		
3DS1*0130102				CTC				AAA		CCT	ACC	ATC		CGC		
3DS1*0130103				CTC				AAA		CCT	ACC	ATC		CGC		
3DS1*01302				CTC				AAA		CCT	ACC	ATC		CGC		
3DS1*01303				CTC				AAA		CCT	ACC	ATC		CGC		
3DS1*014				CTC				AAA		CCT	ACC	ATC		CGC		
3DS1*045				CTC				AAA		CCT	ACC	ATC		CGC		
3DS1*046				CTC				AAA		CCT	ACC	ATC		CGC		
3DS1*047				CTC				AAA		CCT	ACC	ATC		CGC		
3DS1*048				CTC				AAA		CCT	ACC	ATC		CGC		
3DS1*049N				CTC				AAA		CCT	ACC	ATC		CGC		
3DS1*050				CTC				AAA		CCT	ACC	ATC		CGC		
3DS1*055				CTC				AAA		CCT	ACC	ATC		CGC		
3DS1*058				CTC				AAA		CCT	ACC	ATC		CGC		

	E8											
Position	348	350	354	357	359	361	362	363	364	365
Ref	A	AT	GCT	CAA	GCA	AAC	ACA	GCC	AAC	AGC	AGG
3DL1*0010101											
3DL1*0010102											
3DL1*00102				CAG							
3DL1*002											
3DL1*00401											
3DL1*00402											
3DL1*00403											
3DL1*0050101											
3DL1*0050102											
3DL1*00502											
3DL1*00503											
3DL1*006											
3DL1*0070101											
3DL1*0070102											
3DL1*008											
3DL1*009											
3DL1*01501											
3DL1*0150201											
3DL1*0150202											
3DL1*0150203											
3DL1*01503											
3DL1*01504											
3DL1*016											
3DL1*01701											
3DL1*01702											
3DL1*018											
3DL1*019											
3DL1*0200101											
3DL1*021											
3DL1*022											
3DL1*023											
3DL1*024N											
3DL1*025											
3DL1*026											
3DL1*027											
3DL1*028											
3DL1*0290101											
3DL1*0290102											
3DL1*030											
3DL1*03101											
3DL1*03102											
3DL1*032											
3DL1*033											
3DL1*034											
3DL1*035											
3DL1*036											
3DL1*037											
3DL1*038											
3DL1*039											
3DL1*040											
3DL1*041											
3DL1*042											
3DL1*043											
3DL1*044											
3DL1*051											
3DL1*052											
3DL1*053											
3DL1*054											
3DL1*056											
3DL1*057											
3DL1*059					GCG	GAC		GTG	AAT	AGG	CAG
3DL1*060					GCG	GAC		GTG	AAT	AGG	CAG
3DL1*061					GCG	GAC		GTG	AAT	AGG	CAG
3DL1*062											
3DL1*063											
3DL1*064					GCG	GAC		GTG	AAT	AGG	CAG
3DL1*065					GCG	GAC		GTG	AAT	AGG	CAG
3DL1*066											
3DL1*067			GTT								
3DL1*068											
3DL1*069											
3DL1*070											
3DL1*071											
3DL1*072											
3DL1*073											
3DL1*074											
3DL1*075											
3DL1*076											
3DS1*010							A..	GTG			
3DS1*011							A..	GTG	A**	***	***
3DS1*012							A..	GTG	A**	***	***
3DS1*0130101							A..	GTG			
3DS1*0130102							A..	GTG			
3DS1*0130103							A..	GTG			
3DS1*01302							A..	GTG			
3DS1*01303							A..	GTG			
3DS1*014							A..	GTG			
3DS1*045							A..	GTG			
3DS1*046							A..	GTG			
3DS1*047							A..	GTG			
3DS1*048							A..	GTG			
3DS1*049N							A..	GTG			
3DS1*050							A..	GTG	A**	***	***
3DS1*055							A..	GTG			
3DS1*058							A..	GTG			

	E9													
Position	366	373	377	378	381	384	386	391	394	401	405	406	414	424
Ref	CAG	GAG	TAC	GCA	GAT	GTT	ACA	ACT	TCT	CCT	ATC	TTG	AAG	TGA
3DL1*0010101														
3DL1*0010102														
3DL1*00102														
3DL1*002														
3DL1*00401		CAG												
3DL1*00402	GAT	CAG												
3DL1*00403	GAT	CAG												
3DL1*0050101														
3DL1*0050102														
3DL1*00502														
3DL1*00503														
3DL1*006														
3DL1*0070101		CAG	TAT											
3DL1*0070102		CAG	TAT											
3DL1*008														
3DL1*009														
3DL1*01501														
3DL1*0150201														
3DL1*0150202														
3DL1*0150203														
3DL1*01503														
3DL1*01504														
3DL1*016														
3DL1*01701														
3DL1*01702														
3DL1*018														
3DL1*019		CAG												
3DL1*0200101														
3DL1*021		CAG												
3DL1*022														
3DL1*023														
3DL1*024N													GAG	
3DL1*025		CAG												
3DL1*026														
3DL1*027														
3DL1*028														
3DL1*0290101														
3DL1*0290102														
3DL1*030														
3DL1*03101													GAG	
3DL1*03102													GAG	
3DL1*032		CAG	TAT											
3DL1*033		CAG	TAT											
3DL1*034													GAG	
3DL1*035														
3DL1*036		CAG												
3DL1*037		CAG												
3DL1*038														
3DL1*039		CAG												
3DL1*040		CAG												
3DL1*041		CAG												
3DL1*042														
3DL1*043														
3DL1*044														
3DL1*051		CAG												
3DL1*052														
3DL1*053														
3DL1*054														
3DL1*056	GAT	CAG												
3DL1*057		***												
3DL1*059		CAG					ATA	AGT		CTA	AGC	GTG	GAG	CGA
3DL1*060		CAG					ATA	AGT	TGT	CTA	AGC	GTG	GAG	CGA
3DL1*061		CAG				ATT	ATA	AGT		CTA	AGC	GTG	GAG	CGA
3DL1*062		CAG												
3DL1*063		CAG												
3DL1*064		CAG					ATA	AGT		CTA	AGC	GTG		
3DL1*065		CAG					ATA	AGT		CTA	AGC	GTG	GAG	CGA
3DL1*066														
3DL1*067														
3DL1*068		CAG		ACA	AAT									
3DL1*069														
3DL1*070														
3DL1*071														
3DL1*072		CAG												
3DL1*073														
3DL1*074														
3DL1*075														
3DL1*076														
3DS1*010	GAT													
3DS1*011	***													
3DS1*012	***													
3DS1*0130101	GAT													
3DS1*0130102	GAT													
3DS1*0130103	GAT													
3DS1*01302	GAT													
3DS1*01303	GAT													
3DS1*014	GAT													
3DS1*045	GAT													
3DS1*046	GAT													
3DS1*047	GAT													
3DS1*048	GAT													
3DS1*049N	GAT													
3DS1*050	***													
3DS1*055	GAT													
3DS1*058	GAT													