

## HLA-DQA

### HLA-DQA References

Allele Name	Local Name	Cell ID	Accession Numbers	Authors	Title	Journal	Year	Vol.	Pages	Contact
DQA1*010101	-	LG2	<a href="#">HLA00601</a>	Horn GT, Bugawan TL, Long CM, Manos MM, Erlich HA	<a href="#">Sequence analysis of HLA class II genes from insulin-dependent diabetic individuals</a>	Hum Immunol	1988	21	249-63	Dr Henry Erlich
DQA1*010101	-	BM.L	<a href="#">HLA00601</a>	Todd JA, Bell JI, McDevitt HO	<a href="#">HLA-DQ beta gene contributes to susceptibility and resistance to insulin-dependent diabetes mellitus</a>	Nature	1987	329	599-604	Dr John A Todd
DQA1*010101	-	KAS116	<a href="#">HLA00601</a>	Yasunaga S, Kimura A, Hamaguchi K, Ronningen KS, Sasazuki T	<a href="#">Different contribution of HLA-DR and -DQ genes in susceptibility and resistance to insulin-dependent diabetes mellitus (IDDM)</a>	Tissue Antigens	1996	47	37-48	Prof Akinori Kimura
DQA1*010102	DQA1*0101new	MZ070782 LWAGS PMG075	<a href="#">HLA01409</a>	-	-	-	-	-	-	Ms M Luisa Ashdown
DQA1*010201	HB20	LB	<a href="#">HLA00602</a>	Auffray C, Lillie JW, Arnot D, Grossberger D, Kappes D, Strominger JL	<a href="#">Isotypic and allotypic variation of human class II histocompatibility antigen alpha-chain genes</a>	Nature	1984	308	327-33	Prof Jack L Strominger
DQA1*010201	DQA 1.2 (DQA6)	CMCC	<a href="#">HLA00602</a>	Horn GT, Bugawan TL, Long CM, Manos MM, Erlich HA	<a href="#">Sequence analysis of HLA class II genes from insulin-dependent diabetic individuals</a>	Hum Immunol	1988	21	249-63	Dr Henry Erlich
DQA1*010201	DQA 1.2	PGF	<a href="#">HLA00602</a>	Horn GT, Bugawan TL, Long CM, Erlich HA	<a href="#">Allelic sequence variation of the HLA-DQ loci: relationship to serology and to insulin-dependent diabetes susceptibility</a>	Proc Natl Acad Sci U S A	1988	85	6012-6	Dr Henry Erlich
DQA1*010201	-	AZH WT46 DRA	<a href="#">HLA00602</a>	Todd JA, Bell JI, McDevitt HO	<a href="#">HLA-DQ beta gene contributes to susceptibility and resistance to insulin-dependent diabetes mellitus</a>	Nature	1987	329	599-604	Dr John A Todd
DQA1*010201	-	ROF-NL	<a href="#">HLA00602</a>	Lock CB, So AK, Welsh KI, Parkes JD, Trowsdale J	<a href="#">MHC class II sequences of an HLA-DR2 narcoleptic</a>	Immunogenetics	1988	27	449-55	Prof John Trowsdale
DQA1*010201	-	EMJ	<a href="#">HLA00602</a>	Yasunaga S, Kimura A, Hamaguchi K, Ronningen KS, Sasazuki T	<a href="#">Different contribution of HLA-DR and -DQ genes in susceptibility and resistance to insulin-dependent diabetes mellitus (IDDM)</a>	Tissue Antigens	1996	47	37-48	Prof Akinori Kimura
DQA1*010202	-	KAS011	<a href="#">HLA00603</a>	Yasunaga S, Kimura A, Hamaguchi K,	<a href="#">Different contribution of HLA-DR and -DQ</a>	Tissue Antigens	1996	47	37-48	Prof Akinori Kimura

				Ronningen KS, Sasazuki T	<a href="#">genes in susceptibility and resistance to insulin-dependent diabetes mellitus (IDDM)</a>						
DQA1*010203	-	BM3171	<a href="#">HLA02338</a>	Lee KW, Jung YA, Oh DH	<a href="#">Four novel human leukocyte antigen-DQA1 alleles identified in the Korean population</a>	Tissue Antigens	2006	68	167-72	Dr Kyung Wha Lee	
DQA1*010204	-	24368	<a href="#">HLA02432</a>	Voorter CEM, van den Berg- Loonen EM	<a href="#">Sequence-based typing of the complete coding sequence of DQA1 and phenotype frequencies in the Dutch Caucasian population.</a>	Hum Immunol	2006	67	756-63	Prof Ella M van den Berg Loonen	
DQA1*0103	DQA 1.3	APD TAB089 FPAF	<a href="#">HLA00604</a>	Horn GT, Bugawan TL, Long CM, Erllich HA	<a href="#">Allelic sequence variation of the HLA-DQ loci: relationship to serology and to insulin-dependent diabetes susceptibility</a>	Proc Natl Acad Sci U S A	1988	85	6012-6	Dr Henry Erllich	
DQA1*0103	-	WDV	<a href="#">HLA00604</a>	Todd JA, Bell JI, McDevitt HO	<a href="#">HLA-DQ beta gene contributes to susceptibility and resistance to insulin-dependent diabetes mellitus</a>	Nature	1987	329	599-604	Dr John A Todd	
DQA1*0103	-	2012	<a href="#">HLA00604</a>	Lee KW, Johnson AH, Hurley CK	<a href="#">Two divergent routes of evolution gave rise to the DRw13 haplotypes</a>	J Immunol	1990	145	3119-25	Dr Carolyn K Hurley	
DQA1*0103	-	E4181324	<a href="#">HLA00604</a>	Yasunaga S, Kimura A, Hamaguchi K, Ronningen KS, Sasazuki T	<a href="#">Different contribution of HLA-DR and -DQ genes in susceptibility and resistance to insulin-dependent diabetes mellitus (IDDM)</a>	Tissue Antigens	1996	47	37-48	Prof Akinori Kimura	
DQA1*010401	-	2012 2013	<a href="#">HLA00605</a>	Lee KW, Johnson AH, Hurley CK	<a href="#">New DQw1 diversity identified within DRw12 and DRw14 haplotypes</a>	Tissue Antigens	1991	38	231-4	Dr Carolyn K Hurley	
DQA1*010401	-	EK 31227ABO KOSE REN DEK	<a href="#">HLA00605</a>	Fogdell A, Olerup O	<a href="#">The DQA1*0104 allele is carried by DRB1*1001- and DRB1*1401-positive haplotypes in Caucasians, Africans and Orientals</a>	Tissue Antigens	1994	44	19-24	Dr Olle Olerup	
DQA1*010401	-	EK	<a href="#">HLA00605</a>	Yasunaga S, Kimura A, Hamaguchi K, Ronningen KS, Sasazuki T	<a href="#">Different contribution of HLA-DR and -DQ genes in susceptibility and resistance to insulin-dependent diabetes mellitus (IDDM)</a>	Tissue Antigens	1996	47	37-48	Prof Akinori Kimura	
DQA1*010402	DQA1*new	KGU	<a href="#">HLA01376</a>	Perez- Rodriguez M, Madrigal JA, Marsh SG	<a href="#">A novel HLA-DQA1 allele, DQA1*01042</a>	Tissue Antigens	2002	59	440-2	Dr Steven GE Marsh	
DQA1*0105	DQA1*01New	AK93007	<a href="#">HLA00606</a>	Yasunaga S, Kimura A, Hamaguchi K,	<a href="#">Different contribution of HLA-DR and -DQ</a>	Tissue Antigens	1996	47	37-48	Dr Shin'ichiro Yasunaga	

				Ronningen KS, Sasazuki T	<a href="#">genes in susceptibility and resistance to insulin-dependent diabetes mellitus (IDDM)</a>						
DQA1*0105	-	1183 2708	<a href="#">HLA00606</a>	Lee KW, Johnson AH, Hurley CK	<a href="#">New DQw1 diversity identified within DRw12 and DRw14 haplotypes</a>	Tissue Antigens	1991	38	231-4	Dr Carolyn K Hurley	
DQA1*0106	183DQA1	183	<a href="#">HLA01003</a>	Luo M, Blanchard J, Maclean I, Brunham R	<a href="#">Identification of a novel HLA-DQA1 allele (DQA1*0106) by sequence-based DQA1 typing</a>	Tissue Antigens	1999	53	595-6	Dr Ma Luo	
DQA1*0107	-	CDC033104	<a href="#">HLA01905</a>	Hancock LN, Cordovado SK, Hendrix M, Simone AE, Mueller PW	<a href="#">Identification of two novel DQA1 alleles. DQA1*0107 and DQA1*0602, by sequence-based typing in the GoKinD population</a>	Hum Immunol	2005	66	1248- 53	Dr Suzanne Cordovado	
DQA1*0201	DS7	LG-10	<a href="#">HLA00607</a>	Chang HC, Moriuchi T, Silver J	<a href="#">The heavy chain of human B-cell alloantigen HLA-DS has a variable N-terminal region and a constant immunoglobulin-like region</a>	Nature	1983	305	813-5	Dr Jack Silver	
DQA1*0201	-	DM24 DM28 DM29 BEI	<a href="#">HLA00607</a>	Todd JA, Bell JI, McDevitt HO	<a href="#">HLA-DQ beta gene contributes to susceptibility and resistance to insulin-dependent diabetes mellitus</a>	Nature	1987	329	599- 604	Dr John A Todd	
DQA1*0201	-	MOU	<a href="#">HLA00607</a>	Yasunaga S, Kimura A, Hamaguchi K, Ronningen KS, Sasazuki T	<a href="#">Different contribution of HLA-DR and -DQ genes in susceptibility and resistance to insulin-dependent diabetes mellitus (IDDM)</a>	Tissue Antigens	1996	47	37-48	Prof Akinori Kimura	
DQA1*030101	DQA 3	NIN	<a href="#">HLA00608</a>	Horn GT, Bugawan TL, Long CM, Erich HA	<a href="#">Allelic sequence variation of the HLA-DQ loci: relationship to serology and to insulin-dependent diabetes susceptibility</a>	Proc Natl Acad Sci U S A	1988	85	6012- 6	Dr Henry Erich	
DQA1*030101	-	BM.L DM24 DM29	<a href="#">HLA00608</a>	Todd JA, Bell JI, McDevitt HO	<a href="#">HLA-DQ beta gene contributes to susceptibility and resistance to insulin-dependent diabetes mellitus</a>	Nature	1987	329	599- 604	Dr John A Todd	
DQA1*030101	-	JY	<a href="#">HLA00608</a>	Auffray C, Korman AJ, Roux- Dosseto M, Bono R, Strominger JL	<a href="#">cDNA clone for the heavy chain of the human B cell alloantigen DC1: strong sequence homology to the HLA-DR heavy chain</a>	Proc Natl Acad Sci U S A	1982	79	6337- 41	Prof Jack L Strominger	
DQA1*030101	DQA 3 (DQA4)	MMCC	<a href="#">HLA00608</a>	Horn GT, Bugawan TL, Long CM, Manos MM, Erich HA	<a href="#">Sequence analysis of HLA class II genes from insulin-dependent diabetic individuals</a>	Hum Immunol	1988	21	249- 63	Dr Henry Erich	
DQA1*030101	-	BOLETH	<a href="#">HLA00608</a>	Jonsson AK,	<a href="#">Class II genes of</a>	J Biol Chem	1987	262	8767-	Dr Göran	

				Hyldig-Nielsen JJ, Servenius B, Larhammar D, Andersson G, Jorgensen F, Peterson PA, Rask L	<a href="#">the human major histocompatibility complex. Comparisons of the DQ and DX alpha and beta genes</a>				77	Andersson
DQA1*030101	-	BOLETH	<a href="#">HLA00608</a>	Yasunaga S, Kimura A, Hamaguchi K, Ronningen KS, Sasazuki T	<a href="#">Different contribution of HLA-DR and -DQ genes in susceptibility and resistance to insulin-dependent diabetes mellitus (IDDM)</a>	Tissue Antigens	1996	47	37-48	Prof Akinori Kimura
DQA1*0302	-	DKB	<a href="#">HLA00610</a>	Bell JI, Todd JA, McDevitt HO	<a href="#">The molecular basis of HLA-disease association</a>	Adv Hum Genet	1989	18	1-41	Prof John Bell
DQA1*0302	-	ISK	<a href="#">HLA00610</a>	Moriuchi J, Moriuchi T, Silver J	<a href="#">Nucleotide sequence of an HLA-DQ alpha chain derived from a DRw9 cell line: genetic and evolutionary implications</a>	Proc Natl Acad Sci U S A	1985	82	3420-4	Dr Jack Silver
DQA1*0302	-	DKB	<a href="#">HLA00610</a>	Todd JA, Bell JI, McDevitt HO	<a href="#">HLA-DQ beta gene contributes to susceptibility and resistance to insulin-dependent diabetes mellitus</a>	Nature	1987	329	599-604	Dr John A Todd
DQA1*0302	DQA 3	DKB	<a href="#">HLA00610</a>	Horn GT, Bugawan TL, Long CM, Erlich HA	<a href="#">Allelic sequence variation of the HLA-DQ loci: relationship to serology and to insulin-dependent diabetes susceptibility</a>	Proc Natl Acad Sci U S A	1988	85	6012-6	Dr Henry Erlich
DQA1*0302	-	DKB	<a href="#">HLA00610</a>	Yasunaga S, Kimura A, Hamaguchi K, Ronningen KS, Sasazuki T	<a href="#">Different contribution of HLA-DR and -DQ genes in susceptibility and resistance to insulin-dependent diabetes mellitus (IDDM)</a>	Tissue Antigens	1996	47	37-48	Prof Akinori Kimura
DQA1*0303	DQA1*0302YT	YT	<a href="#">HLA00611</a>	Yasunaga S, Kimura A, Hamaguchi K, Ronningen KS, Sasazuki T	<a href="#">Different contribution of HLA-DR and -DQ genes in susceptibility and resistance to insulin-dependent diabetes mellitus (IDDM)</a>	Tissue Antigens	1996	47	37-48	Dr Shin'ichiro Yasunaga
DQA1*040101	DQA 4.2	ARC	<a href="#">HLA00612</a>	Horn GT, Bugawan TL, Long CM, Erlich HA	<a href="#">Allelic sequence variation of the HLA-DQ loci: relationship to serology and to insulin-dependent diabetes susceptibility</a>	Proc Natl Acad Sci U S A	1988	85	6012-6	Dr Henry Erlich
DQA1*040101	2041C17	2041	<a href="#">HLA00612</a>	Hurley CK, Gregersen P, Steiner N, Bell J, Hartzman R, Nepom G, Silver J, Johnson AH	<a href="#">Polymorphism of the HLA-D region in American blacks. A DR3 haplotype generated by recombination</a>	J Immunol	1988	140	885-92	Dr Carolyn K Hurley
DQA1*040101	-	SPL	<a href="#">HLA00612</a>	Jonsson AK, Andersson L, Rask L	<a href="#">Complete sequences of DQA1 and DOB1 cDNA clones corresponding to the DQw4</a>	Immunogenetics	1989	30	232-4	Dr Göran Andersson

DQA1*040101	-	MADURA	<a href="#">HLA00612</a>	Todd JA, Bell JI, McDevitt HO	<a href="#">HLA-DQ beta gene contributes to susceptibility and resistance to insulin-dependent diabetes mellitus</a>	Nature	1987	329	599-604	Dr John A Todd
DQA1*040101	-	SPACH	<a href="#">HLA00612</a>	Yasunaga S, Kimura A, Hamaguchi K, Ronningen KS, Sasazuki T	<a href="#">Different contribution of HLA-DR and -DQ genes in susceptibility and resistance to insulin-dependent diabetes mellitus (IDDM)</a>	Tissue Antigens	1996	47	37-48	Prof Akinori Kimura
DQA1*040102	-	CDC120202	<a href="#">HLA01694</a>	Cordovado SK, Hancock LN, Simone AE, Hendrix M, Mueller PW	<a href="#">High-resolution genotyping of HLA-DQA1 in the GoKinD study and identification of novel alleles HLA-DQA1*040102, HLA-DQA1*0402 and HLA-DQA1*0404</a>	Tissue Antigens	2005	65	448-58	Dr Suzanne Cordovado
DQA1*0402	-	CDC121802	<a href="#">HLA01697</a>	Cordovado SK, Hancock LN, Simone AE, Hendrix M, Mueller PW	<a href="#">High-resolution genotyping of HLA-DQA1 in the GoKinD study and identification of novel alleles HLA-DQA1*040102, HLA-DQA1*0402 and HLA-DQA1*0404</a>	Tissue Antigens	2005	65	448-58	Dr Suzanne Cordovado
DQA1*0403N	-	1242	<a href="#">HLA01774</a>	Luo M, Cohen CR, Narayansingh MJ, Pan S, McKinnon L, Brunham RC, Plummer FA	<a href="#">Identification of a novel HLA-DQA1 null allele, DQA1*0403N, from an East African woman</a>	Tissue Antigens	2004	63	609-11	Dr Ma Luo
DQA1*0404	-	CDC021704	<a href="#">HLA01874</a>	Cordovado SK, Hancock LN, Simone AE, Hendrix M, Mueller PW	<a href="#">High-resolution genotyping of HLA-DQA1 in the GoKinD study and identification of novel alleles HLA-DQA1*040102, HLA-DQA1*0402 and HLA-DQA1*0404</a>	Tissue Antigens	2005	65	448-58	Dr Suzanne Cordovado
DQA1*050101	DQA 4.1 (DQA3)	CMCC	<a href="#">HLA00613</a>	Horn GT, Bugawan TL, Long CM, Manos MM, Erlich HA	<a href="#">Sequence analysis of HLA class II genes from insulin-dependent diabetic individuals</a>	Hum Immunol	1988	21	249-63	Dr Henry Erlich
DQA1*050101	-	RAJI	<a href="#">HLA00613</a>	Schenning L, Larhammar D, Bill P, Wiman K, Jonsson AK, Rask L, Peterson PA	<a href="#">Both alpha and beta chains of HLA-DC class II histocompatibility antigens display extensive polymorphism in their amino-terminal domains</a>	EMBO J	1984	3	447-52	Dr Göran Andersson
DQA1*050101	-	VAVY	<a href="#">HLA00613</a>	Yasunaga S, Kimura A, Hamaguchi K, Ronningen KS, Sasazuki T	<a href="#">Different contribution of HLA-DR and -DQ genes in susceptibility and resistance to insulin-dependent diabetes mellitus (IDDM)</a>	Tissue Antigens	1996	47	37-48	Prof Akinori Kimura

DQA1*050101	dJ93N13	HSF7	<a href="#">HLA00613</a>	-	-	-	-	-	-	Prof Stephan Beck
DQA1*050101	-	QBL	<a href="#">HLA00613</a>	Traherne JA, Horton R, Roberts AN, Miretti MM, Hurles ME, Stewart CA, Ashurst JL, Atrazhev AM, Coggill P, Palmer S, Almeida J, Sims S, Wilming LG, Rogers J, de Jong PJ, Carrington M, Elliott JF, Sawcer S, Todd JA, Trowsdale J, Beck S	<a href="#">Genetic analysis of completely sequenced disease-associated MHC haplotypes identifies shuffling of segments in recent human history</a>	PLoS Genetics	2006	2	81-92	Prof Stephan Beck
DQA1*050102	-	MG3	<a href="#">HLA00614</a>	Bell JI, Todd JA, McDevitt HO	<a href="#">The molecular basis of HLA-disease association</a>	Adv Hum Genet	1989	18	1-41	Prof John Bell
DQA1*050102	-	MG3	<a href="#">HLA00614</a>	Todd JA, Bell JI, McDevitt HO	<a href="#">HLA-DQ beta gene contributes to susceptibility and resistance to insulin-dependent diabetes mellitus</a>	Nature	1987	329	599-604	Dr John A Todd
DQA1*0502	-	EMA	<a href="#">HLA00616</a>	Zimmerman PA, Phadke PM, Lee A, Elson LH, Aruajo E, Guderian R, Nutman TB	<a href="#">Migration of a novel DQA1* allele (DQA1*0502) from African origin to North and South America</a>	Hum Immunol	1995	42	233-40	Dr Peter Zimmerman
DQA1*0503	-	AMALA	<a href="#">HLA00617</a>	Yasunaga S, Kimura A, Hamaguchi K, Ronningen KS, Sasazuki T	<a href="#">Different contribution of HLA-DR and -DQ genes in susceptibility and resistance to insulin-dependent diabetes mellitus (IDDM)</a>	Tissue Antigens	1996	47	37-48	Prof Akinori Kimura
DQA1*0504	DQA1*05YD	YD-069	<a href="#">HLA00618</a>	-	-	-	-	-	-	Dr Warwick Greville
DQA1*0504	DQA05MC	AD-YM23	<a href="#">HLA00618</a>	-	-	-	-	-	-	Dr Susan Lester
DQA1*0505	DQA 4.1	SWEIG007	<a href="#">HLA00619</a>	Horn GT, Bugawan TL, Long CM, Erlich HA	<a href="#">Allelic sequence variation of the HLA-DQ loci: relationship to serology and to insulin-dependent diabetes susceptibility</a>	Proc Natl Acad Sci U S A	1988	85	6012-6	Dr Henry Erlich
DQA1*0505	-	RML	<a href="#">HLA00619</a>	Liu CP, Bach FH, Wu SK	<a href="#">Molecular studies of a rare DR2/LD-5a/DQw3 HLA class II haplotype. Multiple genetic mechanisms in the generation of polymorphic HLA class II genes</a>	J Immunol	1988	140	3631-9	Prof Shaokee Wu
DQA1*0505	-	BM16	<a href="#">HLA00619</a>	Yasunaga S, Kimura A, Hamaguchi K, Ronningen KS, Sasazuki T	<a href="#">Different contribution of HLA-DR and -DQ genes in susceptibility and resistance to insulin-dependent</a>	Tissue Antigens	1996	47	37-48	Prof Akinori Kimura

