

Table 1S. Final collection of 214 unique IGHV multiple myeloma sequences (Literature Series)

Sequence accession number	AUTHORS	TITLE	JOURNAL
AF442750	Forconi F, King CA, Sahota SS, Kennaway CK, Stevenson FK.	DNA fusion vaccines designed to induce antibodies against	Unpublished
AF442752	Forconi F, King CA, Sahota SS, Kennaway CK, Stevenson FK.	DNA fusion vaccines designed to induce antibodies against	Unpublished
AF442754	Forconi F, King CA, Sahota SS, Kennaway CK, Stevenson FK.	DNA fusion vaccines designed to induce antibodies against	Unpublished
AF442756	Forconi F, King CA, Sahota SS, Kennaway CK, Stevenson FK.	DNA fusion vaccines designed to induce antibodies against	Unpublished
AF442758	Forconi F, King CA, Sahota SS, Kennaway CK, Stevenson FK.	DNA fusion vaccines designed to induce antibodies against	Unpublished
AF442760	Forconi F, King CA, Sahota SS, Kennaway CK, Stevenson FK.	DNA fusion vaccines designed to induce antibodies against	Unpublished
AF442763	Forconi F, King CA, Sahota SS, Kennaway CK, Stevenson FK.	DNA fusion vaccines designed to induce antibodies against	Unpublished
AF442765	Forconi F, King CA, Sahota SS, Kennaway CK, Stevenson FK.	DNA fusion vaccines designed to induce antibodies against	Unpublished
AF442766	Forconi F, King CA, Sahota SS, Kennaway CK, Stevenson FK.	DNA fusion vaccines designed to induce antibodies against	Unpublished
AF459628	Hansson L, Rabbani H, Fagerberg J, Osterborg A, Mellstedt H.	T-cell epitopes within the complementarity-determining and	Blood 2003; 101: 4930-4936.
AF459629	Hansson L, Rabbani H, Fagerberg J, Osterborg A, Mellstedt H.	T-cell epitopes within the complementarity-determining and	Blood 2003; 101: 4930-4936.
AF459631	Hansson L, Rabbani H, Fagerberg J, Osterborg A, Mellstedt H.	T-cell epitopes within the complementarity-determining and	Blood 2003; 101: 4930-4936.
AF459632	Hansson L, Rabbani H, Fagerberg J, Osterborg A, Mellstedt H.	T-cell epitopes within the complementarity-determining and	Blood 2003; 101: 4930-4936.
AJ007438	Guikema JE, Vellenga E, Veeneman JM, Hovenga S, Bakkus MH, Klip	Multiple myeloma related cells in patients undergoing auto	Br. J. Haematol.1999; 104:748-754.
AJ007439	Guikema JE, Vellenga E, Veeneman JM, Hovenga S, Bakkus MH, Klip	Multiple myeloma related cells in patients undergoing auto	Br. J. Haematol.1999; 104:748-754.
AJ007441	Guikema JE, Vellenga E, Veeneman JM, Hovenga S, Bakkus MH, Klip	Multiple myeloma related cells in patients undergoing auto	Br. J. Haematol.1999; 104:748-754.
AJ007443	Guikema JE, Vellenga E, Veeneman JM, Hovenga S, Bakkus MH, Klip	Multiple myeloma related cells in patients undergoing auto	Br. J. Haematol.1999; 104:748-754.
AJ007444	Guikema JE, Vellenga E, Veeneman JM, Hovenga S, Bakkus MH, Klip	Multiple myeloma related cells in patients undergoing auto	Br. J. Haematol.1999; 104:748-754.
AJ238036	Sahota SS, Garand R, Mahroof R, Smith A, Juge-Morineau N, Stever	Vh gene analysis of IgM-secreting myeloma indicates an ori	Blood 1999; 94:1070-1076.
AJ238037	Sahota SS, Garand R, Mahroof R, Smith A, Juge-Morineau N, Stever	Vh gene analysis of IgM-secreting myeloma indicates an ori	Blood 1999; 94:1070-1076.
AJ238038	Sahota SS, Garand R, Mahroof R, Smith A, Juge-Morineau N, Stever	Vh gene analysis of IgM-secreting myeloma indicates an ori	Blood 1999; 94:1070-1076.
AJ238039	Sahota SS, Garand R, Mahroof R, Smith A, Juge-Morineau N, Stever	Vh gene analysis of IgM-secreting myeloma indicates an ori	Blood 1999; 94:1070-1076.
AJ238040	Sahota SS, Garand R, Mahroof R, Smith A, Juge-Morineau N, Stever	Vh gene analysis of IgM-secreting myeloma indicates an ori	Blood 1999; 94:1070-1076.
AJ305228	Guikema JE, Vellenga E, Bakkus MH, Bos NA.	Myeloma clonotypic B cells proliferate in respons to CD40	Unpublished
AJ305229	Guikema JE, Vellenga E, Bakkus MH, Bos NA.	Myeloma clonotypic B cells proliferate in respons to CD40	Unpublished
AJ305231	Guikema JE, Vellenga E, Bakkus MH, Bos NA.	Myeloma clonotypic B cells proliferate in respons to CD40	Unpublished
AJ305232	Guikema JE, Vellenga E, Bakkus MH, Bos NA.	Myeloma clonotypic B cells proliferate in respons to CD40	Unpublished
AJ309825	Guikema JE, Vellenga E, Bakkus MH, Bos NA.	Myeloma clonotypic B cells proliferate in respons to CD40	Unpublished
AJ309826	Guikema JE, Vellenga E, Bakkus MH, Bos NA.	Myeloma clonotypic B cells proliferate in respons to CD40	Unpublished
AJ316217	Guikema JEJ, Vellenga E, Hovenga S, Conradie JJ, Smit JW, Verspi	CD27 is heterogeneously expressed on monoclonal plasma cel	Unpublished
AJ536045	Zojer N, Ludwig H, Fieg LM, Stevenson FK, Sahota SS.	Patterns of somatic mutations in Vh genes reveal pathways	Blood 2003; 101: 4137-4139.
AJ536046	Zojer N, Ludwig H, Fieg LM, Stevenson FK, Sahota SS.	Patterns of somatic mutations in Vh genes reveal pathways	Blood 2003; 101: 4137-4139.
AJ536051	Zojer N, Ludwig H, Fieg LM, Stevenson FK, Sahota SS.	Patterns of somatic mutations in Vh genes reveal pathways	Blood 2003; 101: 4137-4139.
AY180383	Sze DM, Brown RD, Yang S, Gibson J, Ho J, Fazekas de St Groth B	Functional significance of predicted high affinity class,	Unpublished
AY180384	Sze DM, Brown RD, Yang S, Gibson J, Ho J, Fazekas de St Groth B	Functional significance of predicted high affinity class,	Unpublished
AY180386	Sze DM, Brown RD, Yang S, Gibson J, Ho J, Fazekas de St Groth B	Functional significance of predicted high affinity class,	Unpublished

DQ100985	Stamatopoulos K, Belessi C, Hadzidimitriou A, Smilevska T, Kalag	Immunoglobulin light chain repertoire in chronic lymphocyt	Blood 2005; 106: 3575-3583.
DQ100986	Stamatopoulos K, Belessi C, Hadzidimitriou A, Smilevska T, Kalag	Immunoglobulin light chain repertoire in chronic lymphocyt	Blood 2005; 106: 3575-3583.
DQ100987	Stamatopoulos K, Belessi C, Hadzidimitriou A, Smilevska T, Kalag	Immunoglobulin light chain repertoire in chronic lymphocyt	Blood 2005; 106: 3575-3583.
DQ100988	Stamatopoulos K, Belessi C, Hadzidimitriou A, Smilevska T, Kalag	Immunoglobulin light chain repertoire in chronic lymphocyt	Blood 2005; 106: 3575-3583.
DQ100989	Stamatopoulos K, Belessi C, Hadzidimitriou A, Smilevska T, Kalag	Immunoglobulin light chain repertoire in chronic lymphocyt	Blood 2005; 106: 3575-3583.
DQ100990	Stamatopoulos K, Belessi C, Hadzidimitriou A, Smilevska T, Kalag	Immunoglobulin light chain repertoire in chronic lymphocyt	Blood 2005; 106: 3575-3583.
DQ100991	Stamatopoulos K, Belessi C, Hadzidimitriou A, Smilevska T, Kalag	Immunoglobulin light chain repertoire in chronic lymphocyt	Blood 2005; 106: 3575-3583.
DQ100992	Stamatopoulos K, Belessi C, Hadzidimitriou A, Smilevska T, Kalag	Immunoglobulin light chain repertoire in chronic lymphocyt	Blood 2005; 106: 3575-3583.
DQ100993	Stamatopoulos K, Belessi C, Hadzidimitriou A, Smilevska T, Kalag	Immunoglobulin light chain repertoire in chronic lymphocyt	Blood 2005; 106: 3575-3583.
DQ100994	Stamatopoulos K, Belessi C, Hadzidimitriou A, Smilevska T, Kalag	Immunoglobulin light chain repertoire in chronic lymphocyt	Blood 2005; 106: 3575-3583.
DQ100995	Stamatopoulos K, Belessi C, Hadzidimitriou A, Smilevska T, Kalag	Immunoglobulin light chain repertoire in chronic lymphocyt	Blood 2005; 106: 3575-3583.
DQ100996	Stamatopoulos K, Belessi C, Hadzidimitriou A, Smilevska T, Kalag	Immunoglobulin light chain repertoire in chronic lymphocyt	Blood 2005; 106: 3575-3583.
DQ100997	Stamatopoulos K, Belessi C, Hadzidimitriou A, Smilevska T, Kalag	Immunoglobulin light chain repertoire in chronic lymphocyt	Blood 2005; 106: 3575-3583.
DQ100998	Stamatopoulos K, Belessi C, Hadzidimitriou A, Smilevska T, Kalag	Immunoglobulin light chain repertoire in chronic lymphocyt	Blood 2005; 106: 3575-3583.
DQ100999	Stamatopoulos K, Belessi C, Hadzidimitriou A, Smilevska T, Kalag	Immunoglobulin light chain repertoire in chronic lymphocyt	Blood 2005; 106: 3575-3583.
DQ101000	Stamatopoulos K, Belessi C, Hadzidimitriou A, Smilevska T, Kalag	Immunoglobulin light chain repertoire in chronic lymphocyt	Blood 2005; 106: 3575-3583.
DQ101001	Stamatopoulos K, Belessi C, Hadzidimitriou A, Smilevska T, Kalag	Immunoglobulin light chain repertoire in chronic lymphocyt	Blood 2005; 106: 3575-3583.
DQ101002	Stamatopoulos K, Belessi C, Hadzidimitriou A, Smilevska T, Kalag	Immunoglobulin light chain repertoire in chronic lymphocyt	Blood 2005; 106: 3575-3583.
DQ101003	Stamatopoulos K, Belessi C, Hadzidimitriou A, Smilevska T, Kalag	Immunoglobulin light chain repertoire in chronic lymphocyt	Blood 2005; 106: 3575-3583.
DQ101004	Stamatopoulos K, Belessi C, Hadzidimitriou A, Smilevska T, Kalag	Immunoglobulin light chain repertoire in chronic lymphocyt	Blood 2005; 106: 3575-3583.
DQ459436	Zherebtsova VA, Surin VL, Misurin AV, Turina NG, Mendeleeva LP,	Individual molecular monitoring of minimal residual diseas	Unpublished
DQ459437	Zherebtsova VA, Surin VL, Misurin AV, Turina NG, Mendeleeva LP,	Individual molecular monitoring of minimal residual diseas	Unpublished
DQ487220	Surin VL, Zherebtsova VA, Savchenko VG.	Individual molecular monitoring of minimal residual diseas	Unpublished
DQ487221	Surin VL, Zherebtsova VA, Savchenko VG.	Individual molecular monitoring of minimal residual diseas	Unpublished
DQ916278	Froyland M, Thompson KM, Thorpe SJ, Sahota SS, Gedde-Dahl T, Bog	A VH4-34+ myeloma protein with weak autoreactivity	Haematologica 2007; 92:690-693
DQ923046	Froyland M, Thompson KM, Fredriksen AB, Gedde-Dahl T, Bogen B.	Patient-specific DNA vaccines targeted to APC elicit poten	Unpublished
DQ923048	Froyland M, Thompson KM, Fredriksen AB, Gedde-Dahl T, Bogen B.	Patient-specific DNA vaccines targeted to APC elicit poten	Unpublished
DQ923050	Froyland M, Thompson KM, Fredriksen AB, Gedde-Dahl T, Bogen B.	Patient-specific DNA vaccines targeted to APC elicit poten	Unpublished
DQ923052	Froyland M, Thompson KM, Fredriksen AB, Gedde-Dahl T, Bogen B.	Patient-specific DNA vaccines targeted to APC elicit poten	Unpublished
L00021	Seno M, Kurokawa T, Ono Y, Onda H, Sasada R, Igarashi K et al.	Molecular cloning and nucleotide sequencing of human immun	Nucleic Acids Res 1983; 11:719-726.
L06226	Ralph QM, Brisco MJ, Joshua DE, Morley AA.	Immunoglobulin heavy chain gene, from myeloma	Unpublished
S80860	Cao J, Vescio RA, Rettig MB, Hong CH, Kim A, Lee JC et al.	A CD10-positive subset of malignant cells is identified in	Leukemia 1995; 9:1948-1953
X79159	Vescio RA, Cao J, Hong CH, Lee JC, Wu CH, Der Danielian M et al.	Myeloma Ig heavy chain V region sequences reveal prior ant	J Immunol 1995; 155:2487-2497.
X79160	Vescio RA, Cao J, Hong CH, Lee JC, Wu CH, Der Danielian M et al.	Myeloma Ig heavy chain V region sequences reveal prior ant	J Immunol 1995; 155:2487-2497.
X79161	Vescio RA, Cao J, Hong CH, Lee JC, Wu CH, Der Danielian M et al.	Myeloma Ig heavy chain V region sequences reveal prior ant	J Immunol 1995; 155:2487-2497.
X79162	Vescio RA, Cao J, Hong CH, Lee JC, Wu CH, Der Danielian M et al.	Myeloma Ig heavy chain V region sequences reveal prior ant	J Immunol 1995; 155:2487-2497.
X79163	Vescio RA, Cao J, Hong CH, Lee JC, Wu CH, Der Danielian M et al.	Myeloma Ig heavy chain V region sequences reveal prior ant	J Immunol 1995; 155:2487-2497.
X79164	Vescio RA, Cao J, Hong CH, Lee JC, Wu CH, Der Danielian M et al.	Myeloma Ig heavy chain V region sequences reveal prior ant	J Immunol 1995; 155:2487-2497.
X79165	Vescio RA, Cao J, Hong CH, Lee JC, Wu CH, Der Danielian M et al.	Myeloma Ig heavy chain V region sequences reveal prior ant	J Immunol 1995; 155:2487-2497.
X79166	Vescio RA, Cao J, Hong CH, Lee JC, Wu CH, Der Danielian M et al.	Myeloma Ig heavy chain V region sequences reveal prior ant	J Immunol 1995; 155:2487-2497.
X79168	Vescio RA, Cao J, Hong CH, Lee JC, Wu CH, Der Danielian M et al.	Myeloma Ig heavy chain V region sequences reveal prior ant	J Immunol 1995; 155:2487-2497.
X79170	Vescio RA, Cao J, Hong CH, Lee JC, Wu CH, Der Danielian M et al.	Myeloma Ig heavy chain V region sequences reveal prior ant	J Immunol 1995; 155:2487-2497.
X79171	Vescio RA, Cao J, Hong CH, Lee JC, Wu CH, Der Danielian M et al.	Myeloma Ig heavy chain V region sequences reveal prior ant	J Immunol 1995; 155:2487-2497.

X79172	Vescio RA, Cao J, Hong CH, Lee JC, Wu CH, Der Danielian M et al.	Myeloma Ig heavy chain V region sequences reveal prior ant	J Immunol 1995; 155:2487-2497.
X79173	Vescio RA, Cao J, Hong CH, Lee JC, Wu CH, Der Danielian M et al.	Myeloma Ig heavy chain V region sequences reveal prior ant	J Immunol 1995; 155:2487-2497.
X79174	Vescio RA, Cao J, Hong CH, Lee JC, Wu CH, Der Danielian M et al.	Myeloma Ig heavy chain V region sequences reveal prior ant	J Immunol 1995; 155:2487-2497.
X79175	Vescio RA, Cao J, Hong CH, Lee JC, Wu CH, Der Danielian M et al.	Myeloma Ig heavy chain V region sequences reveal prior ant	J Immunol 1995; 155:2487-2497.
X79176	Vescio RA, Cao J, Hong CH, Lee JC, Wu CH, Der Danielian M et al.	Myeloma Ig heavy chain V region sequences reveal prior ant	J Immunol 1995; 155:2487-2497.
X79177	Vescio RA, Cao J, Hong CH, Lee JC, Wu CH, Der Danielian M et al.	Myeloma Ig heavy chain V region sequences reveal prior ant	J Immunol 1995; 155:2487-2497.
X79178	Vescio RA, Cao J, Hong CH, Lee JC, Wu CH, Der Danielian M et al.	Myeloma Ig heavy chain V region sequences reveal prior ant	J Immunol 1995; 155:2487-2497.
X79179	Vescio RA, Cao J, Hong CH, Lee JC, Wu CH, Der Danielian M et al.	Myeloma Ig heavy chain V region sequences reveal prior ant	J Immunol 1995; 155:2487-2497.
X79180	Vescio RA, Cao J, Hong CH, Lee JC, Wu CH, Der Danielian M et al.	Myeloma Ig heavy chain V region sequences reveal prior ant	J Immunol 1995; 155:2487-2497.
X79181	Vescio RA, Cao J, Hong CH, Lee JC, Wu CH, Der Danielian M et al.	Myeloma Ig heavy chain V region sequences reveal prior ant	J Immunol 1995; 155:2487-2497.
X79182	Vescio RA, Cao J, Hong CH, Lee JC, Wu CH, Der Danielian M et al.	Myeloma Ig heavy chain V region sequences reveal prior ant	J Immunol 1995; 155:2487-2497.
X84369	Cao J, Vescio RA, Hong CH, Kim A.	Identification of malignant cells in multiple myeloma bone	Unpublished
X84370	Cao J, Vescio RA, Hong CH, Kim A.	Identification of malignant cells in multiple myeloma bone	Unpublished
X88806	Sahota SS, Leo R, Hamblin TJ, Stevenson FK.	Ig VH gene mutational patterns indicate different tumor ce	Blood 1996; 87:746-755.
X88807	Sahota SS, Leo R, Hamblin TJ, Stevenson FK.	Ig VH gene mutational patterns indicate different tumor ce	Blood 1996; 87:746-755.
X88808	Sahota SS, Leo R, Hamblin TJ, Stevenson FK.	Ig VH gene mutational patterns indicate different tumor ce	Blood 1996; 87:746-755.
X88809	Sahota SS, Leo R, Hamblin TJ, Stevenson FK.	Ig VH gene mutational patterns indicate different tumor ce	Blood 1996; 87:746-755.
X88810	Sahota SS, Leo R, Hamblin TJ, Stevenson FK.	Ig VH gene mutational patterns indicate different tumor ce	Blood 1996; 87:746-755.
X88811	Sahota SS, Leo R, Hamblin TJ, Stevenson FK.	Ig VH gene mutational patterns indicate different tumor ce	Blood 1996; 87:746-755.
X88812	Sahota SS, Leo R, Hamblin TJ, Stevenson FK.	Ig VH gene mutational patterns indicate different tumor ce	Blood 1996; 87:746-755.
X95659	Bakkus MH, Schots R, Gomez La Fuente PB, Van Riet I, Thielemans	Clonally related IgA- and IgE-secreting plasma cells in a	Eur J Haematol 2000; 65:348-355
X95661	Bakkus MH, Heirman C, Van Riet I, Van Camp B, Thielemans,K.	Evidence that multiple myeloma Ig heavy chain VDJ genes co	Blood 1992; 80:2326-2335
X95662	Bakkus MH, Heirman C, Van Riet I, Van Camp B, Thielemans,K.	Evidence that multiple myeloma Ig heavy chain VDJ genes co	Blood 1992; 80:2326-2335
X98899	Leo R.	Direct submission	Unpublished
X98900	Leo R.	Direct submission	Unpublished
X98901	Leo R.	Direct submission	Unpublished
X98902	Leo R.	Direct submission	Unpublished
X98903	Leo R.	Direct submission	Unpublished
Y08259	Juge-Morineau N, Heirman C, Bakkus M, Van Camp B, Malfait R, Har	Immunoglobulins D and M multiple myeloma variants are heav	Clin Cancer Res 1997; 3:2501-2506.
Y08401	Juge-Morineau N, Heirman C, Bakkus M, Van Camp B, Malfait R, Har	Immunoglobulins D and M multiple myeloma variants are heav	Clin Cancer Res 1997; 3:2501-2506.
Y08402	Juge-Morineau N, Van Camp B, Bakkus M, Malfait R, Harousseau JL,	IgD and IgM multiple myeloma variants are heavily mutated.	Unpublished
Y08403	Juge-Morineau N, Van Camp B, Bakkus M, Malfait R, Harousseau JL,	IgD and IgM multiple myeloma variants are heavily mutated.	Unpublished
Y08404	Juge-Morineau N, Van Camp B, Bakkus M, Malfait R, Harousseau JL,	IgD and IgM multiple myeloma variants are heavily mutated.	Unpublished
Y08405	Juge-Morineau N, Van Camp B, Bakkus M, Malfait R, Harousseau JL,	IgD and IgM multiple myeloma variants are heavily mutated.	Unpublished
Y08406	Juge-Morineau N, Van Camp B, Bakkus M, Malfait R, Harousseau JL,	IgD and IgM multiple myeloma variants are heavily mutated.	Unpublished
Y08407	Juge-Morineau N, Van Camp B, Bakkus M, Malfait R, Harousseau JL,	IgD and IgM multiple myeloma variants are heavily mutated.	Unpublished
Y08408	Juge-Morineau N, Heirman C, Bakkus M, Van Camp B, Malfait R, Har	Immunoglobulins D and M multiple myeloma variants are heav	Clin Cancer Res 1997; 3:2501-2506.
Y08428	Juge-Morineau N, Heirman C, Bakkus M, Van Camp B, Malfait R, Har	Immunoglobulins D and M multiple myeloma variants are heav	Clin Cancer Res 1997; 3:2501-2506.
Y08429	Juge-Morineau N, Heirman C, Bakkus M, Van Camp B, Malfait R, Har	Immunoglobulins D and M multiple myeloma variants are heav	Clin Cancer Res 1997; 3:2501-2506.
Y08732	Juge-Morineau N, Heirman C, Bakkus M, Van Camp B, Malfait R, Har	Immunoglobulins D and M multiple myeloma variants are heav	Clin Cancer Res 1997; 3:2501-2506.
Z33398	Sahota S, Hamblin T, Oscier DG, Stevenson FK.	Assessment of the role of clonogenic B lymphocytes in the	Leukemia 1994; 8:1285-1289.
Z33399	Sahota S, Hamblin T, Oscier DG, Stevenson FK.	Assessment of the role of clonogenic B lymphocytes in the	Leukemia 1994; 8:1285-1289.
Z33400	Sahota S, Hamblin T, Oscier DG, Stevenson FK.	Assessment of the role of clonogenic B lymphocytes in the	Leukemia 1994; 8:1285-1289.

Z33401	Sahota S, Hamblin T, Oscier DG, Stevenson FK.	Assessment of the role of clonogenic B lymphocytes in the	Leukemia 1994; 8:1285-1289.
Z70256	Sahota SS, Leo R, Hamblin TJ, Stevenson FK.	Myeloma VL gene sequences reveal somatic hypermutation with	Unpublished
Z70257	Sahota SS, Leo R, Hamblin TJ, Stevenson FK.	Myeloma VL gene sequences reveal somatic hypermutation with	Unpublished
Z75556	Sahota SS, Leo R, Hamblin TJ, Stevenson FK.	Myeloma VL and VH gene sequences reveal a complimentary im	Unpublished
Z75557	Sahota SS, Leo R, Hamblin TJ, Stevenson FK.	Myeloma VL and VH gene sequences reveal a complimentary im	Unpublished
U07985	Watkins BA, Davis AE, Fiorentini S, Reitz MS Jr.	V-region and class specific RT-PCR amplification of human	Scand J Immunol 1995; 42:442-448.

Abbreviations

IGH, immunoglobulin heavy chain gene
MM, multiple myeloma