UNITED STATES PATENT AND TRADEMARK OFFICE

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BEFORE THE PATENT TRIAL AND APPEAL BOARD

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GENZYME CORPORATION,
Petitioner

v.

GENENTECH, INC. AND CITY OF HOPE,
Patent Owners

Case No. IPR2016-00383
U. S. Patent No. 6,331,415

Petitioner's Updated Exhibit List

EXHIBIT LIST

Exhibit No.	Description	Abbreviation
1001	U.S. Patent No. 6,331,415	'415 patent
1002	U.S. Patent No. 4,495,280	Salser, or the Salser patent
1003	Ochi et al., *Transfer of a Cloned Immunoglobulin Light-Chain Gene to Mutant Hybridoma Cells Restores Specific Antibody Production*, Nature, 302:340-342 (1983)	Ochi (I)
1004	Southern and Berg, *Transformation of Mammalian Cells to Antibiotic Resistance with a Bacterial Gene Under Control of the SV40 Early Region Promoter*, Journal of Molecular and Applied Genetics, 1:327-41 (1982)	Southern
1005	U.S. Patent No. 4,816,657	Cabilly I patent
1006	'415 reexamination, Ex Parte Reexamination Certificate	Reexam Cert.
1007	U.S. Patent No. 4,816,397	Boss patent
1008	Final Order After District Court Judgment, Patent Interference 102,572, Paper No. 70 (Jul. 25, 2001)	Interference Final Order
1009	'415 patent reexamination, Appeal Brief	Appeal Br.
1010	Alberts et al., *Molecular Biology of the Cell* (1983) (excerpts)	Alberts (1983)
1011	Huber, *Spatial Structure of Immunoglobulin Molecules*, Klinische Wochenschrift, 58:1217-31 (1980)	Huber

1012	National Library of Medicine, *Medical Subject Headings Tree Structures, 1984* (excerpts)	MeSH
1013	Kuby, *Immunology* (2007) (excerpts)	Kuby
1014	Malcolm et al., *Localization of Human Immunoglobulin κ Light Chain Variable Region Genes to the Short Arm of Chromosome 2 by in Situ Hybridization*, Proceedings of the National Academy of Sciences USA, 79:4957-61 (1982)	Malcolm
1015	'415 patent reexamination, Owners' Resp. dated 11/25/05	Owners' Resp. (11/25/05)
1016	'415 patent reexamination, Owners' Resp. dated 10/30/06	Owners' Resp. (10/30/06)
1017	Harris, *Expression of Eukaryotic Genes in E. Coli*, in Genetic Engineering 4, 127-185 (1983)	Harris
1018	'415 patent reexamination, Declaration of Dr. Timothy John Roy Harris under 37 C.F.R. § 1.132	Harris Decl.
1019	'415 patent reexamination, Office Action dated 2/16/07	Office Action (2/16/07)
1020	'415 patent reexamination, Owners' Resp. dated 5/21/07	Owners' Resp. (5/21/07)
1021	U.S. Patent No. 4,399,216	Axel, or the Axel patent
1022	Colaianni and Cook-Deegan, *Columbia University's Axel Patents: Technology Transfer and Implications for the Bayh-Dole Act*, The Milbank Quarterly, 87:683-715 (2009)	Colaianni

1023	Rigby and Shenk, *Paul Berg, on His 65th Birthday*, Nucleic Acids Research, 19:7041 (1991)	Rigby
1024	Rice and Baltimore, *Regulated Expression of an Immunoglobulin K Gene Introduced into a Mouse Lymphoid Cell Line*, Proceedings of the National Academy of Sciences USA, 79:7862-65 (1982)	Rice
1025	Oi et al., *Immunoglobulin Gene Expression in Transformed Lymphoid Cells*, Proceedings of the National Academy of Sciences USA, 80:825-829 (1983)	Oi
1026	Kabat et al., Sequences of Proteins of Immunological Interest (1983) (excerpt)	Kabat
1027	'415 patent reexamination, Final Office Action dated 2/25/08	Final Office Action (2/25/08)
1028	'415 patent reexamination, Owners' Resp. dated 6/6/08	Owners' Resp. (6/6/08)
1029	U.S. Patent No. 4,237,224	Cohen & Boyer patent
1030	Cline, *Research on Gene Therapy*, in Basic Biology of New Developments in Biotechnology, 77-92 (1983)	Cline
1031	Alberts et al., *Molecular Biology of the Cell* (2002) (excerpts)	Alberts (2002)
1032	Efstratiadis et al., *The Structure and Evolution of the Human β-Globin Gene Family*, Cell, 21:653-68 (1980)	Efstratiadis
1033	Rogers et al., *Sequence Analysis of Cloned cDNA Encoding Part of an Immunoglobulin Heavy Chain*, Nucleic	Rogers

	Acids Research, 6:3305-21 (1979)	
1034	Strathearn et al., *Characterization of an Immunoglobin cDNA Clone Containing the Variable and Constant Regions for the MOPC 21 Kappa Light Chain*, Nucleic Acids Research, 5:3101-11 (1978)	Strathearn
1035	Ochi et al., *Functional Immunoglobulin M Production after Transfection of Cloned Immunoglobulin Heavy and Light Chain Genes into Lymphoid Cells*, Proceedings of the National Academy of Sciences USA, 80:6351-55 (1983)	Ochi (II)
1036	Cattaneo and Neuberger, *Polymeric Immunoglobulin M is Secreted by Transfectants of Nonlymphoid Cells in the Absence of Immunoglobulin J Chain*, The EMBO Journal, 6:2753-58 (1987)	Cattaneo
1037	Daugherty et al., *Polymerase Chain Reaction Facilitates the Cloning, CDR-Grafting, and Rapid Expression of a Murine Monoclonal Antibody Directed Against the CD18 Component of Leukocyte Integrins*, Nucleic Acids Research, 19:2471-76 (1991)	Daugherty
1038	Bruynck et al., *Characterisation of a Humanised Bispecific Monoclonal Antibody for Cancer Therapy*, British Journal of Cancer, 67:436-40 (1993)	Bruynck
1039	Reichart, *Marketed Therapeutic Antibodies Compendium*, mAbs, 4:413-15 (2012)	Reichert
1040	Beidler et al., *Cloning and High Level Expression of a Chimeric Antibody with Specificity for Human Carcinoembryonic*	Beidler

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