

Technology	Heska Ref #	U.S. Patent Number	Issue Date	Claim Coverage
Allergens •IgE Receptors/ Detection/Diagnostics	AL-5	6,410,714 B1	June 25, 2002	Canine low affinity IgE receptor (CD23) nucleic acids and uses thereof
	DI-1-2	6,682,894 B2	Jan. 27, 2004	Use of recombinant cell expressing human IgE receptor to detect IgE
	DI-4	6,057,127	May 2, 2000	Equine IgE receptor nucleic acids, production and uses thereof
	DI-4-1	6,582,701 B1	June 24, 2003	Equine IgE receptor proteins
	DI-4-2	6,887,672 B2	May 3, 2005	Use of equine IgE receptor to detect IgE
	DI-4-3	7,226,996 B2	June 5, 2007	Equine Fc Epsilon Receptor Alpha Chain Protein
Allergens •House Dust Mite High Molecular Weight Allergens	AL-2-C3	6,455,686 B1	Sept. 24, 2002	Dermatophagoides high molecular weight (HMW) nucleic acid molecules and uses thereof
	AL-2-C3-1	7,256,263 B2	Aug. 14, 2007	Dermatophagoides high molecular weight (HMW) proteins and fragments thereof
	AL-2-C4	7,128,921 B1	Oct. 31, 2006	Dermatophagoides high molecular weight (HMW) proteins
	AL-2-C4-1	7,589,187	Sept. 15, 2009	Novel dermatophagoides nucleic acid molecules
Disease Detection	DI-13-C2-1	7,935,495 B2	May 3, 2011	Methods of detecting early renal disease in animals
	DI-6-C1	6,518,020 B1	Feb. 11, 2003	Use of PCR to detect <i>Haemobartonella felis</i> infection
	DI-7-C1	6,300,072 B1	Oct. 9, 2001	Use of PCR to detect <i>Bartonella</i> infection, including <i>Bartonella henselae</i> which causes cat scratch disease
Equine Influenza Vaccine	EQ-1-1	6,436,408 B1 ¹	Aug. 20, 2002	Compositions and methods for protecting animals from disease caused by influenza A virus
	EQ-1-C1-PUS-1	6,824,784 B2 ¹	Nov. 30, 2004	Cold-adapted equine influenza nucleic acids
	EQ-1-C1-PUS-2	7,201,909 B2 ¹	April 10, 2007	Equine influenza virus proteins
	EQ-1-C2	6,482,414 B1 ¹	Nov. 19, 2002	Equine influenza virus nucleic acids
	EQ-1-C2-2	7,169,397 B2 ¹	Jan. 30, 2007	Equine influenza virus nucleic acids
	EQ-1-C3-PUS	7,074,414 B2 ¹	July 11, 2006	Equine influenza virus proteins
	EQ-1-C3-PUS-1	7,411,058 B2 ¹	Aug. 12, 2008	Equine influenza virus nucleic acids
	EQ-2	6,398,774 B1	June 4, 2002	Equine intranasal delivery device and uses thereof
	EQ-2-C1-PUS	7,204,822 B1	April 17, 2007	Equine intranasal delivery device and uses thereof
	EQ-2-C1-PUS-1	7,678,087 B2	March 16, 2010	Equine intranasal delivery device and uses thereof
	EQ-3-PUS	7,029,903 B2 ¹	April 18, 2006	Method to treat equids with respiratory disease

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Flea Antigens	FC-11-PUS-1	7,932,371 B2	April 26, 2011	Tick Octopamine Receptor Nucleic Acid Molecules
	FC-4	6,489,140 B1	Dec. 3, 2002	Ecdysone receptor nucleic acid molecules and uses thereof
	FC-4-2	7,208,589 B2	April 24, 2007	Flea ultraspiracle nucleic acids
	FC-5-C1	6,416,977 B1	July 9, 2002	Flea chitinase nucleic acid molecules and uses thereof
	FC-7-PUS-1	8,268,976	Sept 18, 2012	Flea GABA receptor subunit nucleic acid molecules
	FC-8-C3-1	8,088,903 B2	Jan. 3, 2012	Flea Head, Nerve Cord, Hindgut and Malpighian Tubule Nucleic Acid Molecules, Proteins and Uses Thereof
Flea Control Pharmaceutical	1503.0600001	6,518,266 B1 ²	Feb. 11, 2003	1-Aryl-3-Thioalkyl pyrazoles and uses thereof
	1503.0680002	6,545,033 B1 ²	April 8, 2003	Fused 1-(2,6-dichloro-4-trifluoromethylphenyl)-pyrazoles and uses thereof
Heartworm Antigens	2618-43-1-1	6,455,039 B1	Sept. 24, 2002	Macrophage migration inhibitory factor antibodies
	2618-45-2	6,489,448 B1	Dec. 3, 2002	Tpx-1 antibodies
	HW-8	6,248,329 B1	June 19, 2001	Cuticlin nucleic acids and uses thereof
	HW-8-1	6,368,600 B1	April 9, 2002	Cuticlin nucleic acids and uses thereof
	HW-9	6,136,963	Oct. 24, 2000	DiAg2 nucleic acids and uses thereof
Immunology	AL-4	6,573,372 B2	June 3, 2003	Feline immunoglobulin E nucleic acids
	AL-7	6,703,360 B2	March 9, 2004	Canine IL-13 nucleic acid molecules and proteins; IL-13/IgG chimera nucleic acids and proteins; and uses thereof
	AL-7-1	7,378,275 B2	May 27, 2008	Canine IL-13 receptor alpha-1 subunit nucleic acid molecules
	IM-2-C1-C1-2	7,427,661 B2	Sept. 23, 2008	Canine IL-5 proteins and fragments thereof
	IM-2-C1-R	RE39,614 E	May 8, 2007	Canine IL-4 proteins and uses thereof
	IM-2-C2-R	RE40,374 E	June 10, 2008	Canine IL-13 immunoregulatory proteins and uses thereof
	IM-5-1	7,205,143 B2	April 17, 2007	Feline IL-12 single chain nucleic acids
	IM-5-3	7,928,197 B2	April 19, 2011	Feline IL-18 Proteins
Instrumentation	IN-1-C5	6,438,400 B1	Aug. 20, 2002	Esophageal electrodes and probes
Nucleic Acid Delivery	DE-1	6,106,841	Aug. 22, 2000	Use of recombinant raccoon poxvirus to deliver nucleic acids
	DE-3-C2-PUS-1	7,314,627 B2	Jan. 1, 2008	Methods of using a cationic lipid DNA vaccine to protect cats from rabies
	DE-3-C2-PUS-2	8,029,776 B2	Oct. 4, 2011	Cationic lipid-medicated enhancement of nucleic acid immunization of cats
Nutrition	FO-3-C1	6,203,825 B1	March 20, 2001	Method and composition to treat an obligate carnivore (e.g., a cat) for a disease of abnormal carbohydrate metabolism (e.g., diabetes, obesity)
Pain Control	AD-1	6,638,744 B2	Oct. 28, 2003	Canine COX-2 nucleic acids and uses thereof

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²Assigned to Heska and 3-Dimensional Pharmaceuticals, Inc.