# CombiBreed Breeding Healthy Pets - Dog (Belgium) - H169 - Included tests

| Test code | Name | Gene |
|---|---|---|
| H904 | Achromatopsia 3 (Day Blindness) | CNGB3 |
| H918 | Achromatopsia 3 (Day Blindness) - Pointer type | CNGB3 |
| H336 | Acral Mutilation Syndrome (AMS) | GDNF |
| H680 | Amelogenesis Imperfecta (AI) – Akita | ACPT |
| H351 | Amelogenesis Imperfecta (AI) – Greyhound | ENAM |
| H679 | Amelogenesis Imperfecta (AI) – Russel Terrier | ENAM |
| H889 | Bilateral Deafness and Vestibular Dysfunction (MYO7A, DINGS2) – Doberman | MYO7A |
| H493 | Bully Whippet – Whippet Double Muscling | MSTN |
| H093 | Canine Ectodermal Dysplasia (CED) | FOXI3 |
| H165 | Canine Multiple System Degeneration (CMSD) - Chinese Crested | SERAC1 |
| H392 | Canine Scott Syndrome (CSS) | ANO6 |
| H807 | Cardiomyopathy and juvenile mortality (CJM) – Belgian Shepherd | YARS2 |
| H749 | Centronuclear Myopathy (CNM) – Labrador Retriever | HACD1 |
| H331 | Cerebellar Ataxia (SDCA1) – Belgian Shepherd | KCNJ10 |
| H341 | Cerebellar Ataxia (SDCA2) – Belgian Shepherd | ATP1B2 |
| H284 | Cerebellar Degeneration-Myositis Complex (CDMC) – NSDTR | SLC25A12 |
| H992 | Cerebellar Hypoplasia (CH) – White Swiss Shepherd | RELN |
| H171 | Charcot-Marie-Tooth Neuropathy (CMT, ITPR3-related) – Lancashire Heeler | ITPR3 |
| H959 | Charcot-Marie-Tooth Neuropathy (CMT, DP, SBF2-related) – Schnauzer | SBF2 |
| H709 | CLAD (Canine Leukocyte Adhesion Deficiency) Type I – Irish Setter | ITGB2 |
| H484 | CLAD (Canine Leukocyte Adhesion Deficiency) Type III – German Shepherd | FERMT3 |
| H871 | CMR1 (Canine Multifocal Retinopathy) | BEST1 |
| H730 | CMR2 (Canine Multifocal Retinopathy) | BEST1 |
| H306 | CMR3 (Canine Multifocal Retinopathy) 1 | BEST1 |
| H307 | CMR3 (Canine Multifocal Retinopathy) 2 | BEST1 |
| H950 | CNS Atrophy with Cerebellar Ataxia (CACA) – Belgian Shepherd | SELENOP |
| H630 | Coat Colour Merle | PMEL |
| H705 | Collie Eye Anomaly CEA, CH | NHEJ1 |
| H446 | Congenital Dyshormonogenic Hypothyroidism with Goiter (CDH) | SLC5A5 |
| H416 | Congenital Hypothyroidism with Goiter (CHG) – Spanish Water Dog | TPO |
| H391 | Congenital Myasthenic Syndrome (CMS) – Heideterrier | CHRNE |
| H339 | Congenital Myasthenic Syndrome (CMS) – Labrador Retriever | COLQ |
| H728 | Congenital Stationary Night Blindness (CSNB) – Briard | RPE65 |
| H312 | Craniomandibular Osteopathy (CMO) – Terrier Type | SLC37A2 |
| H355 | Dandy-Walker-Like Malformation (DWLM) / Cerebellar Hypoplasia (CH) – Eurasier | VLDLR |
| H308 | Degenerative Myelopathy Exon 1 (DM Exon 1) – Bernese Mountain Dog | SOD1 |
| H673 | Degenerative Myelopathy Exon 2 (DM Exon 2) | SOD1 |
| H327 | Dental Hypomineralization | FAM20C |
| H974 | Dental-Skeletal-Retinal Anomaly (DSRA) | MIA3 |
| H149 | Disproportionate Dwarfism – Dalmatian | PRKG2 |
| H913 | Dry Eye Curly Coat Syndrome | FAM83H |
| H497 | Dystrophic Epidermolysis Bullosa (RDEB) – Golden Retriever | COL7A1 |
| H672 | Exercise Induced Collapse, EIC | DNM1 |
| H980 | Exfoliative Cutaneous Lupus Erythematosus | UNC93B1 |
| H435 | Factor VII deficiency | F7 |
| H863 | Fanconi syndrome - FS | FAN1 |
| H676 | FN, Familial Nephropathy – (English) Cocker Spaniel | COL4A4 |
| H702 | Gangliosidosis (GM1) - Shiba Inu | GLB1 |
| H297 | Gangliosidosis (GM2, Sandhoff Disease) - Shiba Inu | HEXB |

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|---|---|---|
| H361 | Gangliosidosis (GM2 Type I) – Japanese Chin | HEXA |
| H447 | Glanzmann's Thrombasthenia (GT)2-Dog | ITGA2B |
| H737 | Globoid Cell Leukodystrophy (GCL, Krabbes disease) – Terrier Type | GALC |
| H415 | Glycogen Storage Disease Ia (GSD1a) – Maltese | G6PC |
| H347 | Glycogen Storage Disease II (GSD2, Pompe) - Dog | GAA |
| H813 | Glycogen Storage Disease IIIa (GSD 3a) – Curly Coated Retriever | AGL |
| H717 | Glycogen Storage Disease VII (GSD7) / Phosphofructokinase Deficiency (PFK Def) | PFKM |
| H752 | Gray Collie Syndrome (Cyclic Neutropenia) | AP3B1 |
| H653 | Hereditary Ataxia (RAB24-related) – Old English Sheepdog and Gordon Setter | RAB24 |
| H781 | Hereditary Ataxia (SCA) - Australian Shepherd | PNPLA8 |
| H699 | Hereditary Cataract (HC, HSF4-related) | HSF4 |
| H809 | Hereditary Cataract (HC, HSF4-related) – Australian Shepherd | HSF4 |
| H182 | Hereditary Deafness (EAOD) – Beauceron | CDH23 |
| H492 | Hereditary Footpad Hyperkeratosis (FAM83G-related) | FAM83G |
| H444 | Hereditary Footpad Hyperkeratosis, KRT16-related (FNEPPK1) | KRT16 |
| H460 | Hereditary Nasal Parakeratosis (HNPK) – Greyhound | SUV39H2 |
| H364 | Hypocatalasia | CAT |
| H365 | Hypomyelination / Shaking Puppy Syndrome (SPS) – Weimaraner | FNIP2 |
| H378 | Ichthyosis – American Bulldog Type | NIPAL4 |
| H873 | Ichthyosis - Golden Retriever Type 1 | PNPLA1 |
| H782 | Ichthyosis - Golden Retriever Type 2 | ABHD5 |
| H368 | Inherited Myopathy of Great Danes (IMGD) / Centronuclear Myopathy (CNM, HMLR) | BIN1 |
| H366 | Intestinal Cobalamin Malabsorption (ICM, IGS) – Beagle | CUBN |
| H367 | Intestinal Cobalamin Malabsorption (ICM, IGS) – Border Collie | CUBN |
| H861 | Junctional Epidermolysis Bullosa (JEB, LAMA3-related) - German Pointer | LAMA3 |
| H779 | Juvenile Brain Disease (JBD) – Juvenile Encephalopathy | PITRM1 |
| H486 | Juvenile Epilepsy (JE/BFJE) – Lagotto Romagnolo | LGI2 |
| H329 | Juvenile Laryngeal Paralysis Polyneuropathy (JLPP) | RAB3GAP1 |
| H335 | Juvenile Myoclonic Epilepsy (JME) – Rhodesian Ridgeback | DIRAS1 |
| H724 | L-2-Hydroxyglutaric Aciduria (L2HGA) - Staffordshire Bull Terrier | L2HGDH |
| H627 | Lagotto Storage Disease (LSD) | ATG4D |
| H693 | Laryngeal paralysis and polyneuropathy, CNTNAP1-related | CNTNAP1 |
| H328 | Late Onset Ataxia (LOA) | CAPN1 |
| H463 | Lethal Acrodermatitis (LAD) | MKLN1 |
| H961 | Lethal Lung Disease (LAMP3) – Airedale Terrier | LAMP3 |
| H417 | Leukoencephalomyelopathy – LEMP | NAPEPLD |
| H892 | Leukoencephalomyelopathy – LEMP (Leonberger) | NAPEPLD |
| H629 | MDR1 Multi Drug Resistance – Dog | ABCB1 |
| H631 | Microphtalmia (RBP4-related) – Irish Soft Coated Wheaten Terrier | RBP4 |
| H285 | Mitochondrial Fission Encephalopathy (MFE) – Bullmastiff | MFF |
| H424 | Musladin-Lueke Syndroom (MLS) | ADAMTSL2 |
| H282 | Mycobacterium Avium Complex (MAC) – Schnauzer | CARD9 |
| H498 | Myotonia Congenita – Australian Cattle Dog and Border Collie | CLCN1 |
| H410 | Neonatal Cerebellar Ataxia – Coton de Tulear and Havanese | GRM1 |
| H812 | Neonatal Encephalopathy (NEWS) | ATF2 |
| H652 | Neuronal Ceroid Lipofuscinosis 8 (NCL8) – English Setter | CLN8 |
| H289 | Neuroaxonal Dystrophy (NAD) – Miniature American Shepherd | RNF170 |
| H890 | Neuroaxonal Dystrophy (NAD) – Papillon | PLA2G6 |
| H888 | Neuroaxonal Dystrophy (NAD) – Rottweiler | VPS11 |
| H462 | Neuroaxonal Dystrophy (NAD) – Spanish Water Dog | TECPR2 |
| H987 | Neuronal Ceroid Lipofuscinosis 12 (NCL12) – Australian Cattle Dog | ATP13A2 |
| H458 | Neuronal Ceroid Lipofuscinosis 12 (NCL12) – Tibetan Terrier | ATP13A2 |

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|---|---|---|
| H804 | Neuronal Ceroid Lipofuscinosis 4A (NCL4A) – Cerebellar Ataxia | ARSG |
| H721 | Neuronal Ceroid Lipofuscinosis 5 (NCL5) | CLN5 |
| H380 | Neuronal Ceroid Lipofuscinosis 5 (NCL5) – Golden Retriever | CLN5 |
| H330 | Neuronal Ceroid Lipofuscinosis 6 (NCL6) – Australian Shepherd | CLN6 |
| H978 | Neuronal Ceroid Lipofuscinosis 7 (NCL7) | MFSD8 |
| H958 | Neuronal Ceroid Lipofuscinosis 8 (NCL8) – Saluki | CLN8 |
| H337 | Neuronal Ceroid Lipofuscinosis 8-2 (NCL8-2) | CLN8 |
| H965 | Nonsyndromic Hearing Loss – Rottweiler | LOXHD1 |
| H426 | Oculoskeletale dysplasie 2 (OSD2) | COL9A2 |
| H898 | Osteochondrodysplasia (OC) | SLC13A1 |
| H431 | Osteogenesis Imperfecta (OI) – Dachshund | SERPINH1 |
| H450 | P2RY12 Receptor Platelet Disorder | P2RY12 |
| H984 | Paradoxical Pseudomyotonia | SLC7A10 |
| H634 | Paroxysmal Dyskinesia (PD) – Irish Soft Coated Wheaten Terrier | PIGN |
| H996 | Paroxysmal Exercise-Induced Dyskinesia (PED) – Weimaraner | TNR |
| H963 | Persistent Mullerian Duct Syndrome (PMDS) | AMHR2 |
| H872 | Pituitary Dwarfism – Shepherd Type | LHX3 |
| H495 | Polyneuropathy (AMPN) – Alaskan Malamute | NDRG1 |
| H379 | Polyneuropathy (LPN1) | ARHGEF10 |
| H342 | Polyneuropathy (LPN2) – Leonberger | GJA9 |
| H439 | Prekallikrein deficiency | KLKB1 |
| H790 | Primary Ciliary Dyskinesia (PCD) – Alaskan Malamute | NME5 |
| H414 | Primary Ciliary Dyskinesia (PCD) – Old English Sheepdog | CCDC39 |
| H849 | Primary Lens Luxation – PLL | ADAMTS17 |
| H757 | Primary Open Angle Glaucoma (POAG) – Basset Fauve de Bretagne | ADAMTS17 |
| H496 | Primary Open Angle Glaucoma (POAG) - Beagle | ADAMTS10 |
| H104 | Primary Open Angle Glaucoma (POAG) – Petit Basset Griffon Vendéen | ADAMTS17 |
| H457 | Primary Open Angle Glaucoma (POAG) / Primary Lens Luxation (PLL) – Chinese Shar-Pei | ADAMTS17 |
| H371 | Progressive Retinal Atrophy (Bas-PRA, SAG-related) – Basenji | SAG |
| H866 | Progressive Retinal Atrophy (BBS2-PRA) – Shetland Sheepdog | BBS2 |
| H357 | Progressive Retinal Atrophy (crd1-PRA) – American Staffordshire Terrier | PDE6B |
| H358 | Progressive Retinal Atrophy (crd2-PRA) – American Pit Bull Terrier | IQCB1 |
| H766 | Progressive Retinal Atrophy (crd4-PRA/cord1) | RPGRIP1 |
| H739 | Progressive Retinal Atrophy (D-PRA, Dominant PRA) – Mastiff | RHO |
| H868 | Progressive Retinal Atrophy (GR-PRA1) – Golden Retriever | SLC4A3 |
| H473 | Progressive Retinal Atrophy (GR-PRA2) – Golden Retriever | TTC8 |
| H962 | Progressive Retinal Atrophy (IFT122-PRA) - Lapponian Herder | IFT122 |
| H166 | Progressive Retinal Atrophy (MERTK-PRA) | MERTK |
| H348 | Progressive Retinal Atrophy (PAP-PRA1) | CNGB1 |
| H280 | Progressive Retinal Atrophy (PCYT2-Deficiency) – Saarloos Wolfdog | PCYT2 |
| H682 | Progressive Retinal Atrophy (PRA, NECAP1-related) – Schnauzer | NECAP1 |
| H373 | Progressive Retinal Atrophy (PRA3) – Tibetan Type | FAM161A |
| H704 | Progressive Retinal Atrophy (prcd-PRA) | PRCD |
| H768 | Progressive Retinal Atrophy (rcd1-PRA) – Irish Setter | PDE6B |
| H769 | Progressive Retinal Atrophy (rcd1a-PRA) – Sloughi | PDE6B |
| H770 | Progressive Retinal Atrophy (rcd3-PRA) | PDE6A |
| H511 | Progressive Retinal Atrophy (rcd4-PRA) | PCARE |
| H455 | Pyruvate Kinase Deficiency (PKDef) - Beagle | PKLR |
| H971 | Pyruvate Kinase Deficiency (PKDef) – West Highland White Terrier | PKLR |
| H388 | Sensory Neuropathy – Border Collie | FAM134B |
| H990 | Skeletal Dysplasia (SD3) – Vizsla | PCYT1A |
| H157 | Spastic Ataxia (SACS-related) – Great Pyrenees | SACS |

| Test code | Name | Gene |
|---|---|---|
| H377 | Spinal Dysraphism (SD) / Neural Tube Defects (NTD) | NKX2-8 |
| H303 | Spinocerebellar Ataxia (SCA) – Terrier Type | KCNJ10 |
| H907 | Stargardt disease 1 | ABCA4 |
| H442 | Thrombopathia - Basset Hound | RASGRP2 |
| H787 | Trapped Neutrophil Syndrome (TNS) | VPS13B |
| H911 | Unilateral Deafness and Vestibular Dysfunction (PTPRQ, DINGS1) – Doberman | PTPRQ |
| H187 | Van den Ende-Gupta Syndrome (VDEGS) | SCARF2 |
| H677 | Von Willebrand Disease Type 1 | VWF |
| H345 | Von Willebrand Disease Type 2-2 | VWF |
| H744 | Von Willebrand Disease Type 3 – Scottish Terrier | VWF |
| H167 | Von Willebrand Disease Type 3 – Shetland Sheepdog | VWF |