

BREED ANCESTRY

 French Bulldog : 100.0%

GENETIC STATS

Predicted adult weight: **33 lbs**

Genetic age: **19 human years**

Based on the date of birth you provided

TEST DETAILS

Kit number: EM-77328001

Swab number: 31201050512273

BREED-RELEVANT CONDITIONS TESTED



T-Bone did not have the variants that we tested for, that are relevant to his breed:

- ✓ **Progressive Retinal Atrophy, crd4/cord1 (RPGRIP1)**
- ✓ **Canine Multifocal Retinopathy, cmr1 (BEST1 Exon 2)**
- ✓ **Hyperuricosuria and Hyperuricemia or Urolithiasis, HUU (SLC2A9)**

ADDITIONAL CONDITIONS TESTED



T-Bone did not have the variants that we tested for, in the following conditions that the potential effect on dogs with T-Bone's breed may not yet be known.

- ✓ MDR1 Drug Sensitivity (ABCB1)
- ✓ P2Y12 Receptor Platelet Disorder (P2Y12)
- ✓ Factor IX Deficiency, Hemophilia B (F9 Exon 7, Terrier Variant)
- ✓ Factor IX Deficiency, Hemophilia B (F9 Exon 7, Rhodesian Ridgeback Variant)
- ✓ Factor VII Deficiency (F7 Exon 5)
- ✓ Factor VIII Deficiency, Hemophilia A (F8 Exon 10, Boxer Variant)
- ✓ Factor VIII Deficiency, Hemophilia A (F8 Exon 11, German Shepherd Variant 1)
- ✓ Factor VIII Deficiency, Hemophilia A (F8 Exon 1, German Shepherd Variant 2)
- ✓ Thrombopathia (RASGRP1 Exon 5, Basset Hound Variant)
- ✓ Thrombopathia (RASGRP1 Exon 8, Landseer Variant)
- ✓ Thrombopathia (RASGRP1 Exon 5, American Eskimo Dog Variant)
- ✓ Von Willebrand Disease Type III, Type III vWD (VWF Exon 4, Terrier Variant)
- ✓ Von Willebrand Disease Type III, Type III vWD (VWF Exon 7, Shetland Sheepdog Variant)
- ✓ Von Willebrand Disease Type I, Type I vWD (VWF)
- ✓ Von Willebrand Disease Type II, Type II vWD (VWF, Pointer Variant)
- ✓ Canine Leukocyte Adhesion Deficiency Type I, CLAD I (ITGB2, Setter Variant)
- ✓ Canine Leukocyte Adhesion Deficiency Type III, CLAD III (FERMT3, German Shepherd Variant)
- ✓ Congenital Macrothrombocytopenia (TUBB1 Exon 1, Cairn and Norfolk Terrier Variant)
- ✓ Canine Elliptocytosis (SPTB Exon 30)
- ✓ Glanzmann's Thrombasthenia Type I (ITGA2B Exon 13, Great Pyrenees Variant)
- ✓ Glanzmann's Thrombasthenia Type I (ITGA2B Exon 12, Otterhound Variant)
- ✓ May-Hegglin Anomaly (MYH9)
- ✓ Prekallikrein Deficiency (KLKB1 Exon 8)

ADDITIONAL CONDITIONS TESTED

- ✓ Pyruvate Kinase Deficiency (PKLR Exon 7, Pug Variant)
- ✓ Pyruvate Kinase Deficiency (PKLR Exon 7, Beagle Variant)
- ✓ Pyruvate Kinase Deficiency (PKLR Exon 10, Terrier Variant)
- ✓ Trapped Neutrophil Syndrome, TNS (VPS13B)
- ✓ Ligneous Membranitis, LM (PLG)
- ✓ Platelet Factor X Receptor Deficiency, Scott Syndrome (TMEM16F)
- ✓ Methemoglobinemia (CYB5R3)
- ✓ Congenital Hypothyroidism (TPO, Tenterfield Terrier Variant)
- ✓ Congenital Hypothyroidism (TPO, Rat, Toy, Hairless Terrier Variant)
- ✓ Complement 3 Deficiency, C3 Deficiency (C3)
- ✓ Severe Combined Immunodeficiency, SCID (PRKDC, Terrier Variant)
- ✓ Severe Combined Immunodeficiency, SCID (RAG1, Wetterhoun Variant)
- ✓ X-linked Severe Combined Immunodeficiency, X-SCID (IL2RG Exon 1, Basset Hound Variant)
- ✓ X-linked Severe Combined Immunodeficiency, X-SCID (IL2RG, Corgi Variant)
- ✓ Progressive Retinal Atrophy, rcd1 (PDE6B Exon 21, Irish Setter Variant)
- ✓ Progressive Retinal Atrophy, rcd3 (PDE6A)
- ✓ Progressive Retinal Atrophy, CNGA (CNGA1 Exon 9)
- ✓ Progressive Retinal Atrophy, prcd (PRCD Exon 1)
- ✓ Progressive Retinal Atrophy, PRA1 (CNGB1)
- ✓ Progressive Retinal Atrophy (SAG)
- ✓ Golden Retriever Progressive Retinal Atrophy 1, GR-PRA1 (SLC4A3)
- ✓ Golden Retriever Progressive Retinal Atrophy 2, GR-PRA2 (TTC8)
- ✓ Progressive Retinal Atrophy, crd1 (PDE6B, American Staffordshire Terrier Variant)
- ✓ X-Linked Progressive Retinal Atrophy 1, XL-PRA1 (RPGR)
- ✓ Progressive Retinal Atrophy, PRA3 (FAM161A)

ADDITIONAL CONDITIONS TESTED

- ✔ Collie Eye Anomaly, Choroidal Hypoplasia, CEA (NHEJ1)
- ✔ Day Blindness, Cone Degeneration, Achromatopsia (CNGB3 Exon 6, German Shorthaired Pointer Variant)
- ✔ Achromatopsia (CNGA3 Exon 7, German Shepherd Variant)
- ✔ Achromatopsia (CNGA3 Exon 7, Labrador Retriever Variant)
- ✔ Autosomal Dominant Progressive Retinal Atrophy (RHO)
- ✔ Canine Multifocal Retinopathy, cmr2 (BEST1 Exon 5, Coton de Tulear Variant)
- ✔ Canine Multifocal Retinopathy, cmr3 (BEST1 Exon 10 Deletion, Finnish and Swedish Lapphund, Lapponian Herder Variant)
- ✔ Primary Open Angle Glaucoma (ADAMTS10 Exon 9, Norwegian Elkhound Variant)
- ✔ Primary Open Angle Glaucoma (ADAMTS10 Exon 17, Beagle Variant)
- ✔ Primary Open Angle Glaucoma (ADAMTS17 Exon 11, Basset Fauve de Bretagne Variant)
- ✔ Primary Open Angle Glaucoma and Primary Lens Luxation (ADAMTS17 Exon 2, Chinese Shar-Pei Variant)
- ✔ Goniodysgenesis and Glaucoma, Pectinate Ligament Dysplasia, PLD (OLFM3)
- ✔ Hereditary Cataracts, Early-Onset Cataracts, Juvenile Cataracts (HSF4 Exon 9, Australian Shepherd Variant)
- ✔ Primary Lens Luxation (ADAMTS17)
- ✔ Congenital Stationary Night Blindness (RPE65, Briard Variant)
- ✔ Congenital Stationary Night Blindness (LRIT3, Beagle Variant)
- ✔ Macular Corneal Dystrophy, MCD (CHST6)
- ✔ 2,8-Dihydroxyadenine Urolithiasis, 2,8-DHA Urolithiasis (APRT)
- ✔ Cystinuria Type I-A (SLC3A1, Newfoundland Variant)
- ✔ Cystinuria Type II-A (SLC3A1, Australian Cattle Dog Variant)
- ✔ Cystinuria Type II-B (SLC7A9, Miniature Pinscher Variant)
- ✔ Polycystic Kidney Disease, PKD (PKD1)
- ✔ Primary Hyperoxaluria (AGXT)
- ✔ Protein Losing Nephropathy, PLN (NPHS1)
- ✔ X-Linked Hereditary Nephropathy, XLHN (COL4A5 Exon 35, Samoyed Variant 2)

ADDITIONAL CONDITIONS TESTED

- ✔ Autosomal Recessive Hereditary Nephropathy, Familial Nephropathy, ARHN (COL4A4 Exon 3, Cocker Spaniel Variant)
- ✔ Primary Ciliary Dyskinesia, PCD (CCDC39 Exon 3, Old English Sheepdog Variant)
- ✔ Primary Ciliary Dyskinesia, PCD (NME5, Alaskan Malamute Variant)
- ✔ Congenital Keratoconjunctivitis Sicca and Ichthyosiform Dermatitis, Dry Eye Curly Coat Syndrome, CKCSID (FAM83H Exon 5)
- ✔ X-linked Ectodermal Dysplasia, Anhidrotic Ectodermal Dysplasia, XHED (EDA Intron 8)
- ✔ Renal Cystadenocarcinoma and Nodular Dermatofibrosis, RCND (FLCN Exon 7)
- ✔ Canine Fucosidosis (FUCA1)
- ✔ Glycogen Storage Disease Type II, Pompe's Disease, GSD II (GAA, Finnish and Swedish Lapphund, Lapponian Herder Variant)
- ✔ Glycogen Storage Disease Type IA, Von Gierke Disease, GSD IA (G6PC, Maltese Variant)
- ✔ Glycogen Storage Disease Type IIIA, GSD IIIA (AGL, Curly Coated Retriever Variant)
- ✔ Mucopolysaccharidosis Type IIIA, Sanfilippo Syndrome Type A, MPS IIIA (SGSH Exon 6, Dachshund Variant)
- ✔ Mucopolysaccharidosis Type IIIA, Sanfilippo Syndrome Type A, MPS IIIA (SGSH Exon 6, New Zealand Huntaway Variant)
- ✔ Mucopolysaccharidosis Type VII, Sly Syndrome, MPS VII (GUSB Exon 5, Terrier Brasileiro Variant)
- ✔ Mucopolysaccharidosis Type VII, Sly Syndrome, MPS VII (GUSB Exon 3, German Shepherd Variant)
- ✔ Glycogen storage disease Type VII, Phosphofructokinase Deficiency, PFK Deficiency (PFKM, Whippet and English Springer Spaniel Variant)
- ✔ Glycogen storage disease Type VII, Phosphofructokinase Deficiency, PFK Deficiency (PFKM, Wachtelhund Variant)
- ✔ Lagotto Storage Disease (ATG4D)
- ✔ Neuronal Ceroid Lipofuscinosis 1, NCL 1 (PPT1 Exon 8, Dachshund Variant 1)
- ✔ Neuronal Ceroid Lipofuscinosis 2, NCL 2 (TPP1 Exon 4, Dachshund Variant 2)
- ✔ Neuronal Ceroid Lipofuscinosis, Cerebellar Ataxia, NCL4A (ARSG Exon 2, American Staffordshire Terrier Variant)
- ✔ Neuronal Ceroid Lipofuscinosis 5, NCL 5 (CLN5 Exon 4 SNP, Border Collie Variant)
- ✔ Neuronal Ceroid Lipofuscinosis 6, NCL 6 (CLN6 Exon 7, Australian Shepherd Variant)
- ✔ Neuronal Ceroid Lipofuscinosis 8, NCL 8 (CLN8 Exon 2, English Setter Variant)
- ✔ Neuronal Ceroid Lipofuscinosis 7, NCL 7 (MFSD8, Chihuahua and Chinese Crested Variant)
- ✔ Neuronal Ceroid Lipofuscinosis 8, NCL 8 (CLN8, Australian Shepherd Variant)

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ADDITIONAL CONDITIONS TESTED

- ✔ Neuronal Ceroid Lipofuscinosis 10, NCL 10 (CTSD Exon 5, American Bulldog Variant)
- ✔ Neuronal Ceroid Lipofuscinosis 5, NCL 5 (CLN5 Exon 4 Deletion, Golden Retriever Variant)
- ✔ Adult-Onset Neuronal Ceroid Lipofuscinosis, NCL A, NCL 12 (ATP13A2, Tibetan Terrier Variant)
- ✔ Late-Onset Neuronal Ceroid Lipofuscinosis, NCL 12 (ATP13A2, Australian Cattle Dog Variant)
- ✔ GM1 Gangliosidosis (GLB1 Exon 15, Shiba Inu Variant)
- ✔ GM1 Gangliosidosis (GLB1 Exon 15, Alaskan Husky Variant)
- ✔ GM1 Gangliosidosis (GLB1 Exon 2, Portuguese Water Dog Variant)
- ✔ GM2 Gangliosidosis (HEXB, Poodle Variant)
- ✔ GM2 Gangliosidosis (HEXA, Japanese Chin Variant)
- ✔ Globoid Cell Leukodystrophy, Krabbe disease (GALC Exon 5, Terrier Variant)
- ✔ Autosomal Recessive Amelogenesis Imperfecta, Familial Enamel Hypoplasia (ENAM Deletion, Italian Greyhound Variant)
- ✔ Autosomal Recessive Amelogenesis Imperfecta, Familial Enamel Hypoplasia (ENAM SNP, Parson Russell Terrier Variant)
- ✔ Persistent Mullerian Duct Syndrome, PMDS (AMHR2)
- ✔ Deafness and Vestibular Syndrome of Dobermans, DVDob, DINGS (MYO7A)
- ✔ Shar-Pei Autoinflammatory Disease, SPAID, Shar-Pei Fever (MTBP)
- ✔ Neonatal Interstitial Lung Disease (LAMP3)
- ✔ Alaskan Husky Encephalopathy, Subacute Necrotizing Encephalomyelopathy (SLC19A3)
- ✔ Alexander Disease (GFAP)
- ✔ Cerebellar Abiotrophy, Neonatal Cerebellar Cortical Degeneration, NCCD (SPTBN2, Beagle Variant)
- ✔ Cerebellar Ataxia, Progressive Early-Onset Cerebellar Ataxia (SEL1L, Finnish Hound Variant)
- ✔ Cerebellar Hypoplasia (VLDLR, Eurasier Variant)
- ✔ Spinocerebellar Ataxia, Late-Onset Ataxia, LoSCA (CAPN1)
- ✔ Spinocerebellar Ataxia with Myokymia and/or Seizures (KCNJ10)
- ✔ Hereditary Ataxia, Cerebellar Degeneration (RAB24, Old English Sheepdog and Gordon Setter Variant)
- ✔ Benign Familial Juvenile Epilepsy, Remitting Focal Epilepsy (LG12)

ADDITIONAL CONDITIONS TESTED

- ✓ Degenerative Myelopathy, DM (SOD1A)
- ✓ Fetal-Onset Neonatal Neuroaxonal Dystrophy (MFN2, Giant Schnauzer Variant)
- ✓ Hypomyelination and Tremors (FNIP2, Weimaraner Variant)
- ✓ Shaking Puppy Syndrome, X-linked Generalized Tremor Syndrome (PLP1, English Springer Spaniel Variant)
- ✓ Neuroaxonal Dystrophy, NAD (TECPR2, Spanish Water Dog Variant)
- ✓ Neuroaxonal Dystrophy, NAD (VPS11, Rottweiler Variant)
- ✓ L-2-Hydroxyglutaricaciduria, L2HGA (L2HGDH, Staffordshire Bull Terrier Variant)
- ✓ Neonatal Encephalopathy with Seizures, NEWS (ATF2)
- ✓ Alaskan Malamute Polyneuropathy, AMPN (NDRG1 SNP)
- ✓ Narcolepsy (HCRTR2 Intron 4, Doberman Pinscher Variant)
- ✓ Narcolepsy (HCRTR2 Intron 6, Labrador Retriever Variant)
- ✓ Narcolepsy (HCRTR2 Exon 1, Dachshund Variant)
- ✓ Progressive Neuronal Abiotrophy, Canine Multiple System Degeneration, CMSD (SERAC1 Exon 15, Kerry Blue Terrier Variant)
- ✓ Progressive Neuronal Abiotrophy, Canine Multiple System Degeneration, CMSD (SERAC1 Exon 4, Chinese Crested Variant)
- ✓ Juvenile Laryngeal Paralysis and Polyneuropathy, Polyneuropathy with Ocular Abnormalities and Neuronal Vacuolation, POANV (RAB3GAP1, Rottweiler Variant)
- ✓ Hereditary Sensory Autonomic Neuropathy, Acral Mutilation Syndrome, AMS (GDNF-AS, Spaniel and Pointer Variant)
- ✓ Sensory Neuropathy (FAM134B, Border Collie Variant)
- ✓ Juvenile-Onset Polyneuropathy, Leonberger Polyneuropathy 1, LPN1 (LPN1, ARHGEF10)
- ✓ Juvenile Myoclonic Epilepsy (DIRAS1)
- ✓ Juvenile-Onset Polyneuropathy, Leonberger Polyneuropathy 2, LPN2 (GJA9)
- ✓ Spongy Degeneration with Cerebellar Ataxia 1, SDCA1, SeSAME/EAST Syndrome (KCNJ10)
- ✓ Spongy Degeneration with Cerebellar Ataxia 2, SDCA2 (ATP1B2)
- ✓ Dilated Cardiomyopathy, DCM1 (PDK4, Doberman Pinscher Variant 1)
- ✓ Dilated Cardiomyopathy, DCM2 (TTN, Doberman Pinscher Variant 2)
- ✓ Long QT Syndrome (KCNQ1)

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ADDITIONAL CONDITIONS TESTED

- ✓ **Cardiomyopathy and Juvenile Mortality (YARS2)**
- ✓ **Muscular Dystrophy (DMD, Cavalier King Charles Spaniel Variant 1)**
- ✓ **Muscular Dystrophy (DMD, Golden Retriever Variant)**
- ✓ **Limb Girdle Muscular Dystrophy (SGCD, Boston Terrier Variant)**
- ✓ **Ullrich-like Congenital Muscular Dystrophy (COL6A3 Exon 10, Labrador Retriever Variant)**
- ✓ **Centronuclear Myopathy, CNM (PTPLA)**
- ✓ **Exercise-Induced Collapse, EIC (DNM1)**
- ✓ **Inherited Myopathy of Great Danes (BIN1)**
- ✓ **Myostatin Deficiency, Bully Whippet Syndrome (MSTN)**
- ✓ **Myotonia Congenita (CLCN1 Exon 7, Miniature Schnauzer Variant)**
- ✓ **Myotonia Congenita (CLCN1 Exon 23, Australian Cattle Dog Variant)**
- ✓ **Myotubular Myopathy 1, X-linked Myotubular Myopathy, XL-MTM (MTM1, Labrador Retriever Variant)**
- ✓ **Inflammatory Myopathy (SLC25A12)**
- ✓ **Hypocatalasia, Acatlasemia (CAT)**
- ✓ **Pyruvate Dehydrogenase Deficiency (PDP1, Spaniel Variant)**
- ✓ **Malignant Hyperthermia (RYR1)**
- ✓ **Imerslund-Grasbeck Syndrome, Selective Cobalamin Malabsorption (CUBN Exon 53, Border Collie Variant)**
- ✓ **Imerslund-Grasbeck Syndrome, Selective Cobalamin Malabsorption (CUBN Exon 8, Beagle Variant)**
- ✓ **Inherited Selected Cobalamin Malabsorption with Proteinuria (CUBN, Komondor Variant)**
- ✓ **Lundehund Syndrome (LEPREL1)**
- ✓ **Congenital Myasthenic Syndrome, CMS (CHAT, Old Danish Pointing Dog Variant)**
- ✓ **Congenital Myasthenic Syndrome, CMS (COLQ, Labrador Retriever Variant)**
- ✓ **Congenital Myasthenic Syndrome, CMS (CHRNE, Jack Russell Terrier Variant)**
- ✓ **Congenital Myasthenic Syndrome, CMS (COLQ, Golden Retriever Variant)**
- ✓ **Myasthenia Gravis-Like Syndrome (CHRNE, Heideterrier Variant)**

ADDITIONAL CONDITIONS TESTED

- ✓ Episodic Falling Syndrome (BCAN)
- ✓ Paroxysmal Dyskinesia, PxD (PIGN)
- ✓ Demyelinating Polyneuropathy (SBF2/MTRM13)
- ✓ Dystrophic Epidermolysis Bullosa (COL7A1, Golden Retriever Variant)
- ✓ Dystrophic Epidermolysis Bullosa (COL7A1, Central Asian Shepherd Dog Variant)
- ✓ Ectodermal Dysplasia, Skin Fragility Syndrome (PKP1, Chesapeake Bay Retriever Variant)
- ✓ Ichthyosis, Epidermolytic Hyperkeratosis (KRT10, Terrier Variant)
- ✓ Ichthyosis, ICH1 (PNPLA1, Golden Retriever Variant)
- ✓ Ichthyosis (SLC27A4, Great Dane Variant)
- ✓ Ichthyosis (NIPAL4, American Bulldog Variant)
- ✓ Hereditary Footpad Hyperkeratosis (FAM83G, Terrier and Kromfohrlander Variant)
- ✓ Hereditary Footpad Hyperkeratosis (DSG1, Rottweiler Variant)
- ✓ Hereditary Nasal Parakeratosis, HNPk (SUV39H2)
- ✓ Musladin-Lueke Syndrome, MLS (ADAMTSL2)
- ✓ Oculocutaneous Albinism, OCA (SLC45A2, Small Breed Variant)
- ✓ Bald Thigh Syndrome (IGFBP5)
- ✓ Lethal Acrodermatitis, LAD (MKLN1)
- ✓ Ehlers Danlos (ADAMTS2, Doberman Pinscher Variant)
- ✓ Cleft Lip and/or Cleft Palate (ADAMTS20, Nova Scotia Duck Tolling Retriever Variant)
- ✓ Hereditary Vitamin D-Resistant Rickets (VDR)
- ✓ Oculoskeletal Dysplasia 2, Dwarfism-Retinal Dysplasia 2, drd2, OSD2 (COL9A2, Samoyed Variant)
- ✓ Osteogenesis Imperfecta, Brittle Bone Disease (COL1A2, Beagle Variant)
- ✓ Osteogenesis Imperfecta, Brittle Bone Disease (SERPINH1, Dachshund Variant)
- ✓ Osteogenesis Imperfecta, Brittle Bone Disease (COL1A1, Golden Retriever Variant)
- ✓ Osteochondrodysplasia, Skeletal Dwarfism (SLC13A1, Poodle Variant)

ADDITIONAL CONDITIONS TESTED

- ✔ **Skeletal Dysplasia 2, SD2 (COL11A2, Labrador Retriever Variant)**
- ✔ **Craniomandibular Osteopathy, CMO (SLC37A2)**
- ✔ **Raine Syndrome, Canine Dental Hypomineralization Syndrome (FAM20C)**
- ✔ **Chondrodystrophy (ITGA10, Norwegian Elkhound and Karelian Bear Dog Variant)**