



VETERINARY GENETICS LABORATORY  
 SCHOOL OF VETERINARY MEDICINE  
 ONE SHIELDS AVENUE  
 DAVIS, CALIFORNIA 95616-8744

TELEPHONE: (530) 752-2211  
 FAX: (530) 752-3556

**SUSCEPTIBILITY TO PUG DOG ENCEPHALITIS (PDE) REPORT**

HELENE STROEMBOM ENAKERSBY 320 ERIKSSUND SE-74493 RUNHAELLEN SWEDEN	<b>Case:</b> NCD32621 <b>Date Received:</b> 17-Aug-2015 <b>Print Date:</b> 21-Aug-2015 <b>Report ID:</b> 0680-7372-4488-9066 Verify report at <a href="http://www.vgl.ucdavis.edu/myvgl/verify.html">www.vgl.ucdavis.edu/myvgl/verify.html</a>
<b>Name:</b> PUGGENS DESIGN FOR US DOB: 09/18/2011 Sex: Female Breed: Pug Microchip: 977200008194125 Color: fawn	<b>Reg:</b> SE58563/2011
Sire: PUGGENS VERNER Dam: BONDARVS CAYENNE	Reg: S25542/2009 Reg: S31340/2008

**Susceptibility to Necrotizing Meningoencephalitis (NME)**

N/N

**Result Codes:**

- N/N:** No copies of the NME associated markers (homozygous for normal). These dogs have a low risk of developing NME.
- N/S:** One copy of the NME associated marker (heterozygous for susceptibility). These dogs have a low risk of developing NME.
- S/S:** Two copies of the NME associated marker. These dogs are 12.75 times more likely to develop NME in their lifetime.

**Note: This is not a diagnostic test for NME in Pug Dogs or for NME disease or risk in other breeds.**

The test determines the risk for developing NME in Pug Dogs and aids in selecting matings that will produce puppies that are at decreased risk (N/N, N/S). Although 11% of Pug Dogs are S/S, only about 1 in 8 of this group will develop NME during their lifetime. Breeding out the S genotype is not advised as this could lead to considerable loss of genetic diversity in the breed. Matings to N/N dogs can be selected that will not produce S/S puppies.

**IDENTITY MARKERS**

LOCUS	TYPE	LOCUS	TYPE
AHT137	141	AHT260	246 / 248
AME	X	FH2848	236
REN105L03	227	REN169D01	202 / 216
REN169O18	166	REN247M23	270

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 Phone: (573) 442-0418 Fax: (573) 875-5073

*I hereby certify that the sample submitted was of the animal described on this application. I authorize the OFA to verify any attached laboratory reports with the issuing lab. I further authorize the laboratory issuing the attached documentation to verify the reported test results with the OFA upon their direct request. I authorize the OFA to release all information on the test results thus placing the results in the public domain, and I hereby release OFA from any and all liability associated with the release of test information.*

Signature of owner or authorized representative \_\_\_\_\_

The submission fee for an unaffected dog is \$7.50. Affected dogs at any age are no charge. Payments can be made by check, money order (U.S. funds drawn on a U.S. bank), cash, Visa, or Mastercard, payable to the Orthopedic Foundation for Animals.

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**SUSCEPTIBILITY TO PUG DOG ENCEPHALITIS (PDE) REPORT**

HELENE STROEMBOM ENAKERSBY 320 ERIKSSUND SE-74493 RUNHAELLEN SWEDEN	<b>Case:</b> NCD32622 <b>Date Received:</b> 17-Aug-2015 <b>Print Date:</b> 21-Aug-2015 <b>Report ID:</b> 4818-4087-6646-8060 Verify report at <a href="http://www.vgl.ucdavis.edu/myvgl/verify.html">www.vgl.ucdavis.edu/myvgl/verify.html</a>
<b>Name:</b> ROSSMIX PIMMS DOB: 07/06/2012 Sex: Male Breed: Pug Microchip: 968000010018017 Color: fawn	<b>Reg:</b> SE49002/2012
Sire: ZUMAS MELLOW YELLOW MAN Dam: ROSSMIX PRIMROSE	Reg: S67286/2006 Reg: SE23491/2010

**Susceptibility to Necrotizing Meningoencephalitis (NME)**

N/S

**Result Codes:**

- N/N:** No copies of the NME associated markers (homozygous for normal). These dogs have a low risk of developing NME.
- N/S:** One copy of the NME associated marker (heterozygous for susceptibility). These dogs have a low risk of developing NME.
- S/S:** Two copies of the NME associated marker. These dogs are 12.75 times more likely to develop NME in their lifetime.

**Note: This is not a diagnostic test for NME in Pug Dogs or for NME disease or risk in other breeds.**

The test determines the risk for developing NME in Pug Dogs and aids in selecting matings that will produce puppies that are at decreased risk (N/N, N/S). Although 11% of Pug Dogs are S/S, only about 1 in 8 of this group will develop NME during their lifetime. Breeding out the S genotype is not advised as this could lead to considerable loss of genetic diversity in the breed. Matings to N/N dogs can be selected that will not produce S/S puppies.

**IDENTITY MARKERS**

LOCUS	TYPE	LOCUS	TYPE
AHT137	131/141	AHT <sub>h</sub> 260	244/248
AME	YX	FH2848	240
REN105L03	227/233	REN169D01	202/218
REN169O18	166	REN247M23	268/270

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**SUSCEPTIBILITY TO PUG DOG ENCEPHALITIS (PDE) REPORT**

HELENE STROEMBOM ENAKERSBY 320 ERIKSSUND SE-74493 RUNHAELLEN SWEDEN	<b>Case:</b> NCD32623 <b>Date Received:</b> 17-Aug-2015 <b>Print Date:</b> 21-Aug-2015 <b>Report ID:</b> 2109-5816-1627-6126 Verify report at <a href="http://www.vgl.ucdavis.edu/myvgl/verify.html">www.vgl.ucdavis.edu/myvgl/verify.html</a>
<b>Name:</b> ROSSMIX PETER PAN DOB: 12/21/2013 Sex: Male Breed: Pug Microchip: 9410000015491263 Color: fawn	<b>Reg:</b> SE13108/2014
Sire: PUGGENS WESTER Dam: ROSSMIX PHILIPPA	Reg: S58867/2009 Reg: SE34479/2011

**Susceptibility to Necrotizing Meningoencephalitis (NME)**

N/N

**Result Codes:**

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- N/S:** One copy of the NME associated marker (heterozygous for susceptibility). These dogs have a low risk of developing NME.
- S/S:** Two copies of the NME associated marker. These dogs are 12.75 times more likely to develop NME in their lifetime.

**Note: This is not a diagnostic test for NME in Pug Dogs or for NME disease or risk in other breeds.**

The test determines the risk for developing NME in Pug Dogs and aids in selecting matings that will produce puppies that are at decreased risk (N/N, N/S). Although 11% of Pug Dogs are S/S, only about 1 in 8 of this group will develop NME during their lifetime. Breeding out the S genotype is not advised as this could lead to considerable loss of genetic diversity in the breed. Matings to N/N dogs can be selected that will not produce S/S puppies.

**IDENTITY MARKERS**

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AHT137	141 / 147	AHT260	248
AME	YX	FH2848	236
REN105L03	227	REN169D01	218
REN169O18	166	REN247M23	270

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**SUSCEPTIBILITY TO PUG DOG ENCEPHALITIS (PDE) REPORT**

HELENE STROEMBOM ENAKERSBY 320 ERIKSSUND SE-74493 RUNHAELLEN SWEDEN	<b>Case:</b> NCD32624 <b>Date Received:</b> 17-Aug-2015 <b>Print Date:</b> 21-Aug-2015 <b>Report ID:</b> 5180-4829-6303-9131 Verify report at <a href="http://www.vgl.ucdavis.edu/myvgl/verify.html">www.vgl.ucdavis.edu/myvgl/verify.html</a>
<b>Name:</b> ROSSMIX PHILIPPA DOB: 04/16/2011 Sex: Female Breed: Pug Microchip: 968000005731453 Color: fawn	<b>Reg:</b> SE34479/2011
Sire: CHIQUITITAS JOKER Dam: PUGSIES O'MAGIC MOMENTS	Reg: SE30703/2009 Reg: S61065/2007

**Susceptibility to Necrotizing Meningoencephalitis (NME)**

N/S

**Result Codes:**

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**SUSCEPTIBILITY TO PUG DOG ENCEPHALITIS (PDE) REPORT**

HELENE STROEMBOM ENAKERSBY 320 ERIKSSUND SE-74493 RUNHAELLEN SWEDEN	<b>Case:</b> NCD32625 <b>Date Received:</b> 17-Aug-2015 <b>Print Date:</b> 21-Aug-2015 <b>Report ID:</b> 9428-6902-3947-5195 Verify report at <a href="http://www.vgl.ucdavis.edu/myvgl/verify.html">www.vgl.ucdavis.edu/myvgl/verify.html</a>
<b>Name:</b> PUGGENS MARGIT DOB: 02/08/2014 Sex: Female Breed: Pug Microchip: 968000010168724 Color: fawn	<b>Reg:</b> SE24497/2014
Sire: ROSSMIX PIMMS Dam: PUGGENS SOLVEIG	Reg: SE49002/2012 Reg: SE46166/2008

**Susceptibility to Necrotizing Meningoencephalitis (NME)**

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