

07-Jun-22

**Arabian Horse Society of Australia**

**4-Panel Screening Test Report**

**Horse Name:** IMOAN SAMUEL  
**Registration Number:** QUS31310  
**DNA Number:** 1064415  
**Date of Birth:** 08/10/2017

**Cerebellar Abiotrophy (CA)**

Result: n/CA

Carries one copy of the recessive mutation that causes CA

**Lavender Foal Syndrome (LFS)**

Result: n/n

Does not carry the recessive mutation that causes LFS

**Occipitoatlantoaxial Malformation (OAAM)**

Result: n/n

Does not carry the recessive mutation that causes OAAM

**Severe Combined Immune Deficiency (SCID)**

Result: n/n

Does not carry the recessive mutation that causes SCID

**Guide for Interpretation of Results**

CA, LFS, OAAM & SCID are **recessive** traits.

**For recessive traits:**

Horses carrying **one copy** of the mutation (**heterozygous**) are usually **unaffected** by the disease. However, carriers will pass the disease-causing mutation on to approximately half their offspring. Thus, mating to noncarriers will result in approximately half the foals being carriers and half being non-carriers. Mating to other carriers should be avoided because there is a 25% chance the resultant foal will be homozygous affected by the disease. Horses carrying **two copies** of the mutation (**homozygous**) are usually **affected** with the disease.

Horse details are supplied to EGRC by an external submitter and therefore these details are not verified by EGRC. Results are based only on the sample submitted. All efforts are made to ensure the accuracy of these results and the information contained in this report. The EGRC expressly disclaims any and all liabilities contingent or otherwise that may arise from the use of these results.



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