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.

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