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Holstein Association USA, Inc.



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DNA GENOTYPE CERTIFICATE

NAME: USA 69990346 M DE-SU ALTAWISEMAN-ET
DOB: 07/18/2011 M12084461

SIRE: NLD 388965513 FLEVO GENETICS SNOWMAN-ET
DAM: USA 61624310 KINGS-RANSOM WIZARD SALU-ET

BM1818	262/266
BM1824	180/188
BM2113	135/135
CYP21	189/189
ETH10	209/225
ETH225	140/150
ETH3	127/129
INRA023	210/214
RM067	90 /92
SPS115	248/258
TGLA126	117/121
TGLA122	143/183
TGLA227	81 /97
TGLA53	158/162
MGTG4B	141/143
SPS113	141/151

We hereby certify that this is a true copy of the genotyping on file for the animal listed above as reflected on the records of the Holstein Association USA, Inc.

Jenifer Levissee-Phillips
Manager, Quality Assurance

Parentage Status: Qualifies

Date Tested: 01/23/2012
Date Issued: 02/05/2015

The allele sizes reported have been adjusted to animal #1 of the 1995 USA/CS-ISAG comparison test.
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