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FOR MAXIMUM PROFIT



Holstein Association USA, Inc.

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DNA GENOTYPE CERTIFICATE

NAME: USA 70346650 M SPRUCE-HAVEN ALTAALPHA-ET
DOB: 01/02/2012 M12090437

SIRE: USA 68977120 LADYS-MANOR PL SHAMROCK-ET
DAM: USA 66758476 POTTERS-FIELD DN DE11719-ET

BM1818 262/262
BM1824 180/188
BM2113 125/137
CYP21 187/189
ETH10 219/219
ETH225 150/150
ETH3 117/125
INRA023 206/214
RM067 92 /92
SPS115 248/252
TGLA126 115/117
TGLA122 163/183
TGLA227 91 /103
TGLA53 176/184
MGTG4B 135/135
SPS113 151/153

Parentage Status: Qualifies

Date Tested: 09/14/2012
Date Issued: 09/14/2012

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