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FOR MAXIMUM PROFIT

Holstein Association USA, Inc.

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DNA GENOTYPE CERTIFICATE

NAME: USA 70819451 M LATUCH SHAMROCK LUIGI
DOB: 02/12/2012 M13093605

SIRE: USA 68977120 LADYS-MANOR PL SHAMROCK-ET
DAM: USA 66862283 LATUCH FREDDIE LORETTA

BM1818 262/262
BM1824 180/180
BM2113 139/139
CYP21 187/189
ETH10 209/217
ETH225 148/148
ETH3 117/117
INRA023 206/214
RM067 92 /92
SPS115 248/248
TGLA126 121/123
TGLA122 151/183
TGLA227 91 /99
TGLA53 184/186
MGTG4B 135/135
SPS113 141/149

Parentage Status: Qualifies

Date Tested: 01/17/2013
Date Issued: 12/05/2013

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