



Holstein Association USA, Inc.

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The Holstein Association USA, Inc. maintains records that identify animals that carry an undesirable recessive for a physiological abnormality, biochemical defect or enzyme deficiency. At this time, there are identification records for (1) Bovine Leukocyte Adhesion Deficiency (BLAD), (2) Brachyspina, (3) Bulldog (achondroplasia 1, 2 & 3), (4) Complex Vertebral Malformation (CVM), (5) Deficiency of Uridine Monophosphate Synthase (DUMPS), (6) Early Onset Muscle Weakness Syndrome, (7) Holstein Cholesterol Deficiency (HCD), and (8) Mule Foot (syndactylism). Each animal that is officially defined as a carrier of an undesirable recessive is identified in a pedigree and other lineage documents.

It is hereby certified that **PEN-COL ALTAMODIFY-ET 3274830892** is not recorded as a carrier of any defined undesirable recessive.

This animal and its ancestors are not a result of cloning.

Jenifer Levissee-Phillips
Senior Director of Herdbook Services
HOLSTEIN ASSOCIATION USA, INC.