

OFFICIAL AJCA PERFORMANCE PEDIGREE

1 FEMALE DHI HERD # 92-23-0481

2 SUN VALLEY DIMENSION JERSEE **3**

USA 118371821 GT8K BBR 100 JH1F JH2F **3**

4 BORN 10/30/2012 CONTROL # 3212

5 TATTOO S3212 / S3212 **6** GFI 7.8%

7 PPA 1704M 166F 155P / YD 1409M 146F 133P
8 CDCB GPTA 04/01/2018 3RECS 80%R 99%ILE
 392M 61F 43P 537CM\$ 485NM\$ 364FM\$ 433GM\$
 3.4PL 0.8LIV -0.3DPR 0.7CCR 3.7HCR 2.96SCS
 AJCA 04/01/2018 GPTAT 78%R 1.0 GJUI 17.3 GJPI 74%R 158
 ST SR DF RA RW RL FA FU RH RUW UC UD TP TL RTR RTS
 1.5 1.2 0.3 L0.1 1.3 P0.2 S0.9 2.5
 RH RUW UC UD TP TL RTR RTS
 0.4 0.2 0.1 S1.5 C1.7 L0.1 C0.2 C1.3

9 2-01 301 2 16420 5.3 871 3.9 646 97DCR 2236C
 3-01 305 2 18690 5.3 986 4.1 770 97DCR 2649C
 305 2X ME AVG 2L 20229M 1065F 817P 2813C

10 2-07 85% 3-02 90%
 ST SR DF RA RW RL FA FU RH RUW UC UD TP TL RTR RTS
 42 38 42 23 43 18 22 45 47 40 27 34 27 24 25 23

11 SUNSET CANYON DIMENSION-ET
 USA 117168914 GT50K BBR 100 JH1F JH2F GDP 7JE1149
 CDCB GPTA 04/01/2018 1396DAUS 230HRDS 11%RIP
 99%R 193M 0.25% 59F 65%ILE
 99%R 0.17% 40P 463CM\$ 404NM\$ 266FM\$ 356GM\$
 1.8PL -0.3LIV -0.9DPR 0.5CCR 5.2HCR 2.88SCS
 AJCA 04/01/2018 533DAUS
 GPTAT 99%R 0.2 GJUI 5.0 GJPI 97%R 140

12 SUN VALLEY TBONE JERSEE
 USA 117522475 GT6K BBR 100 JH1F JH2F S2749 / S2749
 DHI HERD # 92-23-0481 CONTROL # 2749
 PPA 1770M 165F 132P / YD 1035M 125F 96P
 CDCB GPTA 04/01/2018 5RECS 82%R 84%ILE
 141M 47F 30P 306CM\$ 268NM\$ 176FM\$ 196GM\$
 0.9PL -0.5LIV -2.1DPR -1.2CCR -0.7HCR 3.10SCS
 AJCA 04/01/2018 GPTAT 79%R 0.8 GJUI 0.3 GJPI 76%R 82
 1-11 305 2 17580 5.3 932 4.1 713 97DCR 2469C
 3-03 305 2 19100 5.5 1041 4.0 764 97DCR 2645C
 4-04 305 2 20220 5.4 1082 3.9 797 98DCR 2759C
 5-04 295 2 18150 5.5 993 4.0 729 96DCR 2524C
 6-04 104 2 8450 4.4 372 3.7 310 74DCR 1025C
 305 2X ME AVG 5L 19577M 1026F 779P 2678C

13 2-01 82% 3-10 87% 4-07 88%
 ST SR DF RA RW RL FA FU RH RUW UC UD TP TL RTR RTS
 36 45 46 23 36 22 26 36 37 33 38 18 34 32 37 39

14 ISSUE DATE 04/07/2018

OWNER: 231575
 SUN VALLEY FARM
 10389 MEDA LOOP RD
 CLOVERDALE, OR 97112-9438

BREEDER: 231575
 SUN VALLEY FARM
 10389 MEDA LOOP RD
 CLOVERDALE, OR 97112-9438

LAST 8 OF 19 PROGENY FOR USA 118371821
 USA 172636645 M 05/11/2017 S168 / S168 GT45K GJPI 174
 USA 119990924 F 02/12/2017 S4255 / S4255 GT45K GJPI 133
 USA 119990933 F 02/12/2017 S4256 / S4256 GT45K GJPI 121
 USA 119990951 M 02/11/2017 S165 / S165 GT45K GJPI 141
 USA 119990906 F 02/09/2017 S4251 / S4251 GT45K GJPI 131
 USA 119990915 F 02/09/2017 S4253 / S4253 GT45K GJPI 166
 USA 119990894 F 02/08/2017 S4249 / S4249 GT45K GJPI 129
 USA 119990885 F 02/07/2017 S4247 / S4247 GT45K GJPI 132

18 BW RENEGADE-ET
 USA 115883929 GT50K BBR 100 JH1F JH2F 200JE60
 CDCB GPTA 04/01/2018 9173DAUS 778HRDS 5%RIP
 99%R 45M 0.28% 57F 48%ILE
 99%R 0.09% 20P 340CM\$ 311NM\$ 243FM\$ 293GM\$
 1.0PL 0.2LIV 0.1DPR 1.1CCR 1.4HCR 3.05SCS
 AJCA 04/01/2018 3613DAUS
 GPTAT 99%R 0.0 GJUI -0.6 GJPI 99%R 93

19 PEARLMONT IMPULS DAFFY 90%
 USA 114356624 GTHD BBR 100 JH1F JH2F / T49
 PPA 612M 99F 76P / YD 546M 89F 62P
 CDCB GPTA 04/01/2018 4RECS 96%R 87%ILE
 273M 40F 29P 315CM\$ 280NM\$ 198FM\$ 225GM\$
 2.0PL -1.2LIV -1.4DPR -1.1CCR 4.3HCR 2.96SCS
 AJCA 04/01/2018 GPTAT 94%R 0.2 GJUI 3.7 GJPI 94%R 93
 4-03 305 2 18560 5.0 932 3.8 707 102DCR 2446C
 6-07 305 2 16190 5.1 825 3.9 637 102DCR 2205C
 8-10 305 2 14990 5.6 839 4.0 606 102DCR 2098C
 10-01 305 2 12690 4.9 628 4.5 566 100DCR 1796C
 305 2X ME AVG 6L 16118M 820F 647P 2197C

20 RICHIES JACE TBONE A364
 USA 113672851 GT50K BBR 100 JH1F JH2F 7JE1000
 CDCB GPTA 04/01/2018 19756DAUS 1814HRDS 5%RIP
 99%R -167M 0.20% 32F 20%ILE
 99%R 0.10% 14P 141CM\$ 114NM\$ 49FM\$ 77GM\$
 -0.9PL -1.5LIV -1.9DPR -1.4CCR 2.0HCR 3.12SCS
 AJCA 04/01/2018 11017DAUS
 GPTAT 99%R 0.9 GJUI 6.7 GJPI 99%R 41

21 SUN VALLEY IMPULS JERSEYGAL
 USA 115475544 S1905 / S1905
 DHI HERD # 92-23-0481 CONTROL # 1905
 PPA -231M 27F 39P / YD 15M 31F 37P
 CDCB PTA 04/01/2018 5RECS 68%R 62%ILE
 135M 25F 23P 212CM\$ 186NM\$ 122FM\$ 201GM\$
 1.1PL -1.1LIV 1.1DPR 2.1CCR 0.3HCR 3.14SCS
 AJCA 04/01/2018 PTAT 59%R 0.0 JUI -4.4 JPI 58%R 62
 4-11 303 2 19610 4.9 957 4.0 791 97DCR 2632C
 5-11 305 2 17670 4.9 865 4.0 703 97DCR 2362C
 6-11 305 2 17690 4.7 838 3.9 692 98DCR 2303C
 8-00 93 2 7050 4.9 344 3.9 273 60DCR 929C
 305 2X ME AVG 7L 17979M 885F 701P 2380C

2-02 83% 3-06 83%
 ST SR DF RA RW RL FA FU RH RUW UC UD TP TL RTR RTS
 34 30 34 25 34 28 20 30 28 33 35 28 38 42

Information Presented on AJCA Performance Pedigrees

- Animal sex. Twins are labeled. DHI herd number (*cows only*).
- AJCA registration name and registration number. Prefix and suffixes designate registry status if other than Herd Register (*seven or more generations of AJCA-recorded ancestry with no ancestor of another breed*).

The Generation Count suffix indicates that the animal's pedigree includes either (a) an unknown animal or (b) an animal of another breed. The number between braces { } indicates generations of AJCA-recorded ancestry from 1 to 6. Females are recorded at all levels. Effective March 14, 2015, the lowest Generation Count for males is {3}.

The prefix JX indicates that the animal has one or more ancestors of another breed within six (6) generations.

The prefix UR is assigned when an animal has permanent identification but does not meet AJCA pedigree requirements.

Other suffixes used are P (polled); PP (tested homozygous polled); ET (embryo transfer); ETS (split embryo); ETN (nuclear transfer, cloning); LL (carrier of genetic abnormality Limber Legs); RVC (carrier of genetic abnormality Rectovaginal Constriction); PTL (progeny tested for LL); and PTR (progeny tested for RVC).
- GT indicates that an animal has been genotyped. Density of the test chip is indicated (e.g., GT3K from 3K chip, GT6K from 6K chip and so forth). GI indicates that the genotype was imputed from progeny; and GA, that genomic data comes from genotyped ancestors.

Breed Base Representation (BBR) is the genomic estimate of the animal's relationship to the Jersey breed reference group. BBR is printed only for genotyped animals. A BBR of 94 or greater is reported as 100. BBRs below 94 are reported as calculated.

Official status for Jersey Haplotypes 1 and 2 based on a genotype of 6K or higher density is listed: F designating status Free, C designating status Carrier.

Males only: If assigned, the NAAB code is printed.
- The date of birth (month, day, year) and, for cows, the DHI processing center control number (CONTROL #).
- Permanent identification of the animal, labeled by form: tattoo (right ear / left ear), American ID eartag and/or electronic ID.
- For heifers, the percentile (P-level) of the Parent Average (PA) or genomic PTA for Jersey Performance Index™ (JPI) is printed. P-level indicates how this individual ranks compared to other heifers born in the same year. When PA JPI is not available, the P-level is based upon PA protein.

Expected Future Inbreeding (EFI), or if animal is genotyped, Genomic Estimate of Future Inbreeding (GFI). EFI estimates future progeny inbreeding, assuming the animal is mated randomly to the current population. GFI is based on the animal's DNA test of actual homozygosity and percentages of genes in common with the genotyped Jersey population.
- Cows only:* Predicted Producing Ability (PPA) and Yield Deviation (YD) for milk, fat and protein. PPA predicts future production. Because PPA is determined relative to a constant genetic base, it is the most effective tool to identify cows that will be profitable milk producers across herds. YD is the weighted average of lactation yield minus selected management and environmental factors, expressed relative to the breed base.
- CDCB Predicted Transmitting Ability (traditional or genomic) for milk, fat and protein, Net Merit indexes (Cheese Merit dollars, CM\$; Net Merit dollars, NM\$; Fluid Merit dollars, FM\$; Grazing Merit dollars, GM\$), plus Productive Life (PL) and Livability (LIV), fertility traits (Daughter Pregnancy Rate, DPR; Cow Conception Rate, CCR; Heifer Conception Rate, HCR), and Somatic Cell Score (SCS).

The evaluation issue date and number of records (females) or daughters (bulls) are given, with the Reliability (%R) of the evaluation. Percentile (%ILE) indicates the animal's ranking relative to all others of its sex. PTAs can be compared to indicate which animal will, on the average, transmit higher production to offspring. The difference in PTAs between any two bulls is the amount their future daughters will differ in performance when matings are to dams of equal genetic merit.

AJCA Predicted Transmitting Ability for Type (PTAT/GPTAT), Jersey Udder Index (JUI/GJUI) and Jersey Performance Index™ (JPI/GJPI) with the date of the evaluation.

Jersey Performance Index²⁰¹⁷™ ranks animals by combined genetic merit for 12 traits (*with weights*): 30% Protein : 15% Fat : 8% CFP Milk : 12.8% Jersey Udder Index™ : 7% Body Weight Composite : 7% DPR : 6% SCS : 6% PL : 4% LIV : 2% CCR : 2% HCR : 0.2% Mobility.

PTAT/GPTAT is the genetic evaluation for final score–type. PTAs/GPTAs for type appraisal breakdown traits are printed.

For young animals without their own performance information or that have not been genomically tested, Parent Average (PA) is calculated for milk, fat, protein, Net Merit indexes, type, and JPI. PA is the sum of 1/2 the sire's PTA and 1/2 the dam's PTA. PA estimates are also printed for appraisal breakdown traits. Reliability (%R) for these estimates is also printed.
- Lactation records. Up to 16 records are printed, listing information in this order: age at calving, days milked, times milked per day, actual pounds milk, percent fat, actual pounds fat, percent protein, actual pounds protein, and data collection rating (DCR). If a verification test was conducted during the lactation, a V is printed. The 305-day, 2x, mature equivalent lactation average for records at least 180 days in length is also printed.
- Type evaluations, the cow's age and final score. Final scores are: Excellent (90 and above); Very Good (80-89 inclusive); Desirable (70-79); Acceptable (60-69); and Poor (50-59). Scores for breakdown traits from the most recent appraisal are listed: ST, stature; SR, strength; DF, dairy form; RA, rump angle; RW, rump width; RL, rear leg set; FA, foot angle; FU, fore udder; RH, rear udder height; RUW, rear udder width; UC, udder cleft; UD, udder depth; TP, teat placement; TL, teat length; RTR, Rear Teat Placement-Rear View; RTS, Rear Teat Placement-Side View.
- The sire of the animal, his registration number, and when applicable, genotype, JH1 and JH2 status, sire program and NAAB code. The CDCB genetic evaluations for milk, fat, protein, CM\$, NM\$, FM\$, and GM\$; fitness traits (PL, LIV, DPR, CCR, HCR and SCS); and AJCA genetic evaluations for type are listed, with evaluation date.
- The dam, her registration number, genotype status and haplotype test status (when applicable), permanent ID, up to 12 lactation records, production summary, and genetic evaluations are given.
- Age and final score, with type breakdowns for last evaluation.
- The date that this document was compiled and printed.
- The Recorded Owner, as indicated on the records of the AJCA.
- The Breeder of the animal, defined as the Recorded Owner of the dam at conception of animal.
- Females only:* Total of registered progeny, followed by registration number, sex, tattoo and genotype status (if applicable), and JPI/GJPI for the eight youngest progeny, listed in reverse birth order.
- The paternal grandsire (*refer to 11*).
- The paternal grandam (*refer to 12*), latest final score and up to four lactations. Cows with AJCA registration numbers below 2,300,000 or registered in other countries may not have this information.
- The maternal grandsire (*refer to 11*).
- The maternal grandam (*refer to 12*), up to four lactations, along with type evaluations are printed.