

# A2A2 HOLSTEIN SIRES

NAAB order

BullCode	Sire Name	CP	TPI	NM\$
11H012151	AltaSCION		2786	876
11H012138	AltaEMOJI		2744	827
11H012133	AltaAKUZAKI		2747	914
11H012131	AltaSTOKED		2773	910
11H012126	AltaIVANHOE		2660	850
11H012105	AltaRAPIDO		2668	811
11H012088	AltaACTOR		2795	852
11H012083	AltaANTONIO		2817	950
11H012082	AltaDPORT		2749	891
11H012072	AltaTNT		2686	805
11H012061	AltaCOLUMBIA		2698	809
11H012060	AltaOSCAR		2719	798
11H012053	AltaCOMFORT		2713	817
11H012052	AltaKALISPELL		2734	913
11H012038	AltaNYGEL		2642	703
11H012033	AltaRESERVE		2736	844
11H012030	AltaMEDIAN		2660	843
11H012026	AltaMIKLO		2607	830
11H012000	AltaREVIS		2658	785
11H011991	AltaVIKING		2722	848
11H011970	AltaJABBA		2687	813
11H011957	AltaDOSSIER		2630	800
11H011939	AltaMELVIN	CP	2599	749
11H011933	AltaDROID		2684	843
11H011913	AltaSPARK		2524	704
11H011911	AltaDOOZER	CP	2621	798
11H011908	AltaCLOUT		2535	664
11H011905	AltaFANTASTIC	CP	2530	721
11H011904	AltaPAYOFF		2530	728
11H011903	AltaTALISMAN		2538	711
11H011892	AltaMAESTRO		2570	752
11H011888	AltaDURST		2581	739
11H011877	AltaSTAMP P		2517	710
11H011856	AltaLABEL		2554	752
11H011849	AltaLAUTALOVE	CP	2457	704
11H011843	AltaCAYENNE		2608	721
11H011842	AltaRODIN		2514	724
11H011839	AltaDAGGER	CP	2567	708
11H011838	AltaKARMA	CP	2601	778
11H011837	AltaCOMPASS	CP	2591	749

BullCode	Sire Name	CP	TPI	NM\$
11H011835	AltaCADET		2559	790
11H011831	AltaHOGAN		2443	597
11H011828	AltaSPICE P		2598	684
11H011825	AltaBRODY		2516	664
11H011824	AltaKADE		2569	760
11H011816	AltaLERADO		2586	763
11H011810	AltaCOBY	CP	2520	686
11H011803	AltaEXTRA		2630	816
11H011799	AltaFATE		2490	679
11H011797	AltaSKY	CP	2511	754
11H011794	AltaKERSHAW		2594	714
11H011793	AltaKEYNOTE		2587	776
11H011786	AltaFAD		2372	686
11H011784	AltaBAYOU	CP	2589	816
11H011780	AltaEDDIE	CP	2601	743
11H011779	AltaTOPSHOT		2692	910
11H011778	AltaROBSON	CP	2802	909
11H011766	AltaGOTHAM		2548	653
11H011765	AltaGARCIA		2532	708
11H011758	AltaNIXER	CP	2697	904

Cows' milk is about 87 percent water and 13 percent solids. Those solids are a combination of lactose (milk sugar), fat, protein, and minerals.

If you focus in on the protein within milk, the major component of that milk protein is called casein. One type of casein within milk is beta casein. There are two different beta casein genes that cattle can have - A1 or A2. These two types of beta casein are found at two different locations, so any given bovine will be either A1A1, A1A2 or A2A2 for beta casein.

#### Why does this matter?

Studies have found that when a person drinks milk, digestive enzymes interact with A1 and A2 beta-casein proteins in different ways, so they are processed differently within the body. Some believe the A2 gene is more natural, and therefore more healthy. That has led to a recent consumer demand for A2A2 milk.

True A2 milk can only be produced from cattle possessing the A2 gene at both locations. So the one and only determining factor determining whether milk is A1 or A2 lies in the genetic make-up of the animal producing the milk.

The Jersey breed has a slightly higher proportion of animals with the A2A2 genes. However, if you are a Holstein producer who could receive a premium for A2 milk, you can see from this extensive list of A2A2 sires that you don't have to sacrifice much in terms of genetics or switch breeds to attain that A2 gene preferred by consumers in some parts of the world.

# A2A2 HOLSTEIN SIRES

NAAB order (continued)

BullCode	Sire Name	CP	TPI	NM\$
11H011755	COMBINE		2363	605
11H011749	AltaCRAIG		2714	878
11H011747	AltaEXEMPLAR	CP	2481	708
11H011741	AltaCAPO		2633	765
11H011736	AltaRECOIL	CP	2669	765
11H011725	AltaAMULET		2700	816
11H011723	AltaTRUM PP		2207	418
11H011716	AltaJOEBOT	CP	2567	760
11H011715	AltaFRIDAY	CP	2541	757
11H011707	AltaCORDIAL		2568	694
11H011706	AltaHELICON	CP	2585	721
11H011704	Alta1STLOOK	CP	2480	754
11H011693	AltaWYNN	CP	2519	657
11H011686	AltaVISIONARY	CP	2427	627
11H011682	AltaFUNKY	CP	2425	626
11H011679	AltaILLUSION	CP	2372	590
11H011672	AltaKERMIT	CP	2655	744
11H011669	AltaJONAH	CP	2496	739
11H011663	AltaSUBLIME	CP	2496	723
11H011655	AltaMARLON		2553	679
11H011654	AltaMITCHUM	CP	2496	682
11H011652	AltaLAMBEAU	CP	2552	690
11H011650	AltaFIREUP	CP	2510	758
11H011648	AltaDGATE		2274	433
11H011647	AltaGOLFR	CP	2398	563
11H011644	AltaLOGAN		2315	477
11H011640	AltaFEATURE		2481	670
11H011632	AltaTWIX		2362	562
11H011630	AltaMORENO		2652	748
11H011627	AltaR8		2403	574
11H011615	AltaCHASE	CP	2437	630
11H011614	AltaFIREBIRD		2427	666
11H011613	AltaZ28	CP	2382	595
11H011609	AltaSOUSA	CP	2490	730
11H011607	AltaSUPERSTAR		2495	636

BullCode	Sire Name	CP	TPI	NM\$
11H011606	AltaLIDO		2458	567
11H011605	AltaWILD P		2157	459
11H011603	AltaREMAND	CP	2312	626
11H011598	AltaMENTO		2557	714
11H011596	AltaNEWMAN	CP	2485	721
11H011593	AltaJAVIER		2319	548
11H011579	AltaJETHRO	CP	2468	677
11H011578	AltaBARISTA		2342	554
11H011576	AltaMAXIM		2248	467
11H011571	AltaHEWN		2320	417
11H011570	AltaMONETARY		2398	663
11H011567	AltaFLAMENCO	CP	2432	617
11H011566	AltaFOUNDER	CP	2497	649
11H011564	AltaDISCO	CP	2400	561
11H011563	AltaHUEGRANT		2410	530
11H011558	AltaCOSMO		2419	677
11H011556	AltaCHACHA	CP	2350	578
11H011553	AltaXRAY		2361	610
11H011552	AltaBANJO	CP	2278	564
11H011550	AltaILLINI P		2265	465
11H011549	AltaSHOCK	CP	2473	749
11H011548	AltaVANITY	CP	2270	583
11H011539	AltaBACALA		2513	678
11H011536	AltaSHANY	CP	2354	544
11H011532	AltaBANCO	CP	2501	668
11H011531	AltaSABRE	CP	2594	713
11H011530	AltaROLF		2360	668
11H011517	AltaHI-C		2301	559
11H011511	AltaREVOLVER	CP	2353	490
11H011506	AltaYURA		2442	717
11H011504	AltaHUGH		2415	523
11H011500	AltaCUEBALL PP	CP	1987	323
11H011499	AltaMEGLO	CP	2509	772
11H011493	AltaHOTROD	CP	2483	599
11H011481	AltaVINO	CP	2443	565

BullCode	Sire Name	CP	TPI	NM\$
11H011475	AltaSKETCH	CP	2306	483
11H011470	AltaDAY	CP	2375	669
11H011464	AltaGOLIATH	CP	2297	574
11H011457	AltaBLOOMBERG		2417	654
11H011450	AltaMALFI		2435	684
11H011444	AltaWISHIN		2345	634
11H011437	AltaSPRING		2563	656
11H011422	AltaJAKE	CP	2520	643
11H011406	AltaMOPAN	CP	2441	601
11H011405	AltaKADO	CP	2360	527
11H011396	AltaSTALWART	CP	2439	668
11H011389	AltaGENUITY	CP	2302	549
11H011379	AltaRABO	CP	2520	665
11H011372	AltaNEEDLE P	CP	2111	389
11H011369	AltaPRIMO	CP	2468	696
11H011353	AltaGRAVITY		2396	670
11H011337	AltaCAIN	CP	2560	747
11H011323	AltaSHELBY		2168	460
11H011316	AltaBETTMAN	CP	2372	610
11H011314	AltaENTRUST	CP	2466	676
11H011302	AltaALPHA		2361	605
11H011293	AltaECHELON	CP	2404	552
11H011283	AltaMERCY	CP	2405	676
11H011272	AltaGILCREST	CP	2471	682
11H011268	AltaRENEGADE	CP	2360	668
11H011224	AltaTERRA	CP	2341	636
11H011118	AltaCEO		2003	221
11H011100	AltaEVERGLADE	CP	2357	529
11H010928	AltaGREATEST		2347	666
11H010661	AltaMETEOR		2154	406
11H000582	AltaUP P-RED		2300	544
11H000569	AltaDO-RED		1970	328



# A2A2 JERSEY SIRES

NAAB order

BullCode	Sire Name	CP	TPI	NM\$
11JE01345	AltaGIANNIS {4}		182	597
11JE01342	AltaCABRERA {3}		173	563
11JE01339	AltaGRONK {4}		198	643
11JE01338	AltaTRICHT {5}		192	628
11JE01336	AltaMCGAHEE {3}		175	612
11JE01330	AltaLEMOR {3}		186	608
11JE01329	AltaWISHBONE {4}		175	572
11JE01327	AltaRAZZLES {3}		179	595
11JE01326	AltaCHIVE		155	486
11JE01323	AltaAFFIRM		167	547
11JE01320	AltaBLITZ	CP	168	570
11JE01318	AltaCAJUN		140	439
11JE01310	AltaMERLIN		109	374
11JE01309	WILLOW		126	415
11JE01304	CAMO {4}		150	525
11JE01294	VALERGO-PP	CP	120	412
11JE01293	ROWDY {4}	CP	156	517
11JE01274	BOWTIE		142	448
11JE01259	STEVE	CP	158	543
11JE01222	SIZZLE	CP	131	456
11JE01218	EXHORT		150	543
11JE01214	VINNY		113	419
11JE01213	RUFUS	CP	83	226
11JE01211	IVORY	CP	176	614

BullCode	Sire Name	CP	TPI	NM\$
11JE01207	CHEKELO	CP	151	538
11JE01204	TRAJECTORY	CP	164	530
11JE01196	NIXON		74	233
11JE01195	MALACHI	CP	118	420
11JE01193	SANTANA		100	307
11JE01192	MORRIS		163	561
11JE01186	ISAAC		139	465
11JE01184	VERN-P	CP	139	445
11JE01179	VICEROY	CP	198	665
11JE01168	MESCHACH-P		91	308
11JE01165	LARIS		110	362
11JE01163	CREDENTIAL {6}		163	564
11JE01152	REGAL	CP	146	454
11JE01151	BRIER	CP	107	365
11JE01147	SANTIAGO	CP	107	347
11JE01140	LADD	CP	75	232
11JE01122	LAYNE	CP	89	310
11JE01118	MARVEL		117	433
11JE01117	MARCIN		140	498
11JE01114	PERFORM		84	288
11JE00978	KARBALA	CP	71	225
11JE00968	APPLEJACK	CP	21	-2
11JE00944	PAUL		78	230

