

A2A2 Holstein sires

TPI order

BullCode	Sire Name	CP	TPI	NM\$
11H11779	AltaTOPSHOT		2713	942
11H11725	AltaAMULET		2697	811
11H11736	AltaRECOIL		2678	792
11H11749	AltaCRAIG		2668	826
11H11672	AltaKERMIT		2664	762
11H11707	AltaCORDIAL		2650	774
11H11741	AltaCAPO		2646	784
11H11758	AltaNIXER		2645	852
11H11630	AltaMORENO	CP	2617	711
11H11650	AltaFIREUP	CP	2613	819
11H11784	AltaBAYOU		2612	833
11H11747	AltaEXEMPLAR		2608	801
11H11793	AltaKEYNOTE		2607	828
11H11607	AltaSUPERSTAR		2594	703
11H11566	AltaFOUNDER	CP	2594	695
11H11693	AltaWYNN		2592	694
11H11437	AltaSPRING		2588	690
11H11706	AltaHELICON		2588	744
11H11640	AltaFEATURE		2587	752
11H11640	AltaFEATURE		2587	752
11H11794	AltaKERSHAW		2581	722
11H11655	AltaMARLON		2579	711
11H11765	AltaGARCIA		2577	763
11H11531	AltaSABRE	CP	2574	714
11H11579	AltaJETHRO		2572	760

BullCode	Sire Name	CP	TPI	NM\$
11H11824	AltaKADE		2565	776
11H11627	AltaR8		2563	707
11H11704	Alta1STLOOK		2556	794
11H11654	AltaMITCHUM		2556	725
11H11686	AltaVISIONARY	CP	2553	733
11H11615	AltaCHASE	CP	2551	750
11H11606	AltaLIDO		2547	628
11H11816	AltaLERADO		2547	740
11H11596	AltaNEWMAN	CP	2539	787
11H11598	AltaMENTO		2534	690
11H11532	AltaBANCO	CP	2532	699
11H11614	AltaFIREBIRD		2526	752
11H11506	AltaYURA		2526	751
11H11716	AltaJOEBOT		2526	746
11H11652	AltaLAMBEAU	CP	2520	662
11H11549	AltaSHOCK	CP	2519	765
11H11682	AltaFUNKY		2517	690
11H11715	AltaFRIDAY		2514	746
11H11539	AltaBACALA	CP	2512	698
11H11663	AltaSUBLIME		2498	727
11H11613	AltaZ28	CP	2496	682
11H11570	AltaMONETARY	CP	2495	671
11H11564	AltaDISCO	CP	2494	621
11H11567	AltaFLAMENCO	CP	2490	650
11H11499	AltaMEGLO	CP	2482	741

BullCode	Sire Name	CP	TPI	NM\$
11H11504	AltaHUGH		2482	566
11H11493	AltaHOTROD	CP	2481	584
11H11679	AltaILLUSION		2478	658
11H11609	AltaSOUSA	CP	2474	702
11H11647	AltaGOLFR	CP	2474	621
11H11100	AltaEVERGLADE		2471	688
11H11669	AltaJONAH	CP	2469	700
11H11558	AltaCOSMO		2466	721
11H11379	AltaRABO	CP	2464	630
11H11563	AltaHUEGRANT		2463	559
11H11272	AltaGILCREST		2460	670
11H11545	AltaMOOLAH		2457	641
11H11422	AltaJAKE	CP	2454	563
11H11479	AltaROCKMAN		2446	630
11H11444	AltaWISHIN	CP	2439	705
11H11522	AltaMYOMY		2438	574
11H11556	AltaCHACHA	CP	2428	642
11H11389	AltaGENUITY	CP	2423	646
11H11405	AltaKADO	CP	2422	567
11H11283	AltaMERC	CP	2421	727
11H11644	AltaLOGAN	CP	2418	559
11H11369	AltaPRIMO	CP	2416	617
11H11481	AltaVINO		2405	562
11H11457	AltaBLOOMBERG		2401	658
11H11406	AltaMOPAN		2400	609

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

TPI order (continued)

BullCode	Sire Name	CP	TPI	NM\$
11H11536	AltaSHANY	CP	2394	575
11H11436	AltaSYMPHONY	CP	2394	607
11H11648	AltaDGATE		2385	515
11H11593	AltaJAVIER		2383	602
11H11412	AltaPYRAMID		2379	665
11H11475	AltaSKETCH	CP	2379	525
11H11396	AltaSTALWART	CP	2378	611
11H11511	AltaREVOLVER	CP	2378	515
11H11755	COMBINE		2369	618
11H11553	AltaXRAY		2367	618
11H11571	AltaHEWN		2366	426
11H11337	AltaCAIN	CP	2365	648
11H11603	AltaREMAND	CP	2359	662
11H11450	AltaMALFI	CP	2354	631
11H11578	AltaBARISTA		2353	559
11H10928	AltaGREATEST		2351	643
11H11632	AltaTWIX		2350	546
11H11464	AltaGOLIATH	CP	2347	604
11H11268	AltaRENEGADE	CP	2344	680
11H11302	AltaALPHA		2338	589
11H11293	AltaECHELON	CP	2338	535
11H11517	AltaHI-C		2337	593
11H11491	AltaBUCK		2337	535
11H11314	AltaENTRUST	CP	2331	613
11H11576	AltaMAXIM		2329	519
11H11224	AltaTERRA	CP	2328	618
11H11316	AltaBETTMAN	CP	2317	602

BullCode	Sire Name	CP	TPI	NM\$
11H00582	AltaUP P-RED		2306	535
11H11451	AltaFLEX	CP	2300	550
11H11530	AltaROLF	CP	2292	634
11H11548	AltaVANITY	CP	2283	579
11H11550	AltaILLINI P	CP	2281	442
11H11205	AltaGEDDY	CP	2275	501
11H11383	AltaCHATTER	CP	2272	510
11H11197	AltaDUBLIN	CP	2266	580
11H11218	AltaFLINT		2260	480
11H11756	SHAUN		2255	533
11H11470	AltaDAY	CP	2250	533
11H11225	AltaPLENTIFUL	CP	2246	519
11H11248	AltaREFUGE	CP	2243	483
11H10908	AltaFAIRWAY	CP	2241	602
11H11552	AltaBANJO	CP	2241	566
11H00575	AltaTD-RED		2238	434
11H10837	AltaCEASAR	CP	2238	463
11H11353	AltaGRAVITY		2238	519
11H11355	AltaJAGER		2235	492
11H11375	AltaHOMERIC	CP	2228	433
11H11000	AltaSAMOA		2228	539
11H11723	AltaTRUM PP		2226	422
11H10996	AltaAIRNET		2225	431
11H11154	AltaHALEY		2206	364
11H11605	AltaWILD P		2205	493
11H11323	AltaSHELBY	CP	2205	472
11H11360	AltaFINEGOLD		2202	452

BullCode	Sire Name	CP	TPI	NM\$
11H10661	AltaMETEOR		2199	431
11H11115	AltaLEO	CP	2193	449
11H11063	AltaSUSTAIN		2185	401
11H11309	AltaPLANO	CP	2180	491
11H11107	AltaTITLEIST		2180	491
11H11417	AltaHORIZON	CP	2179	386
11H10921	AltaCASPER	CP	2170	414
11H11072	AltaNATURAL		2168	417
11H11163	AltaPRIVILEGE	CP	2157	474
11H11400	AltaTURNPIKE		2157	444
11H11429	AltaJONAGOLD		2155	468
11H11372	AltaNEEDLE P	CP	2152	393
11H11241	AltaCLOONEY		2116	330
11H11024	AltaSUPERIOR	CP	2078	464
11H11345	AltaALLGOLD		2069	324
11H11356	AltaBIGGAME	CP	2061	264
11H11351	AltaCAZADOR	CP	2060	296
11H10360	AltaAVALON	CP	2050	193
11H11112	AltaSTEWART	CP	2045	278
11H11118	AltaCEO	CP	2039	228
11H10865	AltaSTONE	CP	2013	304
11H10666	AltaDOM		1993	348
11H11500	AltaCUEBALL PP	CP	1950	255
11H00572	AltaKID-RED	CP	1937	217
11H10387	AltaSUPERJET	CP	1931	280
11H00569	AltaDO-RED	CP	1930	275

A2A2 Jersey sires

JPI order

BullCode	Sire Name	CP	TPI	NM\$
11JE01117	MARCIN		222	528
11JE01179	VICEROY	CP	198	513
11JE01151	BRIER	CP	195	464
11JE01293	ROWDY		189	465
11JE01259	STEVE	CP	187	515
11JE01211	IVORY	CP	184	464
11JE01296	RIDDLER		182	475
11JE01289	MATE		180	447
11JE01253	DAPPER		174	441
11JE01287	SPROUT		173	405
11JE01274	BOWTIE		172	472
11JE01277	MATLOCK		167	403
11JE01204	TRAJECTORY	CP	166	414
11JE01257	NERO		166	425
11JE01270	CORONADO		166	420
11JE01245	MOON	CP	165	427
11JE01294	VALERGO-PP		164	422
11JE01273	CONAN	CP	163	403

BullCode	Sire Name	CP	TPI	NM\$
11JE01225	VAN FOEKEN	CP	160	403
11JE01228	HANDSOME	CP	159	423
11JE01275	PROMO 1 U		159	387
11JE01184	VERN-P	CP	158	405
11JE01235	KEITH	CP	158	388
11JE01218	EXHORT		156	466
11JE01288	RING		155	371
11JE01280	KAA		150	378
11JE01285	MEMPHIS	CP	148	398
11JE01230	VELLO	CP	144	333
11JE01152	REGAL	CP	142	344
11JE01174	DIVOT		142	361
11JE01297	COGSWORTH		142	379
11JE01232	MATTIE	CP	133	343
11JE01193	SANTANA	CP	127	363
11JE01098	CRITIC-P		123	338
11JE01163	CREDENTIAL		122	365
11JE01165	LARIS	CP	122	325

BullCode	Sire Name	CP	TPI	NM\$
11JE01118	MARVEL	CP	121	356
11JE01195	MALACHI	CP	114	349
11JE01122	LAYNE	CP	113	319
11JE01213	RUFUS	CP	112	317
11JE01114	PERFORM	CP	110	291
11JE00944	PAUL	CP	102	207
11JE01153	MASTERS		96	248
11JE01172	TREMOR	CP	94	269
11JE01168	MESCHACH-P		88	273
11JE01053	SAM		85	213
11JE00978	KARBALA	CP	84	259
11JE01126	RASCAL	CP	84	236
11JE01147	SANTIAGO	CP	84	238
11JE01060	DEVINE		81	173
11JE01140	LADD	CP	78	219
11JE00968	APPLEJACK	CP	30	81