

OUTCROSS SIRES

HOLSTEIN – NAAB order

Bull Code	Name	CP	Pedigree	TPI	NM\$	Milk	Pro	Fat	PTAT	UDC	FLC	SCS	PL	LIV	DPR	SCE	SSB	A2A2
11H011860	AltaSPARKLE		SPARK X MONTROSS	2647	810	2180	73	68	1.65	2.17	0.70	2.89	6.8	-0.8	1.7	5.8	6.0	
11H011605	AltaWILD P		OHARE-P X SHAMROCK	2157	459	1009	29	29	0.75	0.76	0.84	2.75	5.5	0.9	1.5	7.5	7.0	✓
11H011549	AltaSHOCK	CP	PRIDE X ERDMAN	2473	749	909	31	50	0.92	1.66	0.54	2.78	9.7	4.4	3.8	5.8	6.4	✓
11H011435	AltaCZAR	CP	MOGUL X NIAGRA	2322	485	991	39	57	2.04	2.38	1.58	2.85	1.8	-3.3	-0.1	6.4	7.5	
11H011348	AltaBGOOD	CP	ROBUST X MASSEY	2404	616	641	43	53	1.65	1.92	0.94	2.79	5.4	3.0	0.7	7.3	8.2	
11H011320	AltaPRESET	CP	ROBUST X PLANET	2404	690	1452	37	46	0.94	1.37	0.78	2.70	8.2	4.7	1.2	8.2	8.3	
11H011316	AltaBETTMAN	CP	ROBUST X MAN-O-MAN	2372	610	10	39	64	0.40	0.68	0.55	3.03	3.8	1.8	4.2	5.3	5.9	✓
11H011302	AltaALPHA		SHAMROCK X DEANN	2361	605	787	30	54	1.10	0.97	1.39	2.77	5.2	3.3	1.5	6.6	8.1	✓
11H011298	AltaSANFORD	CP	ROBUST X PLANET	2359	602	572	28	23	0.81	1.03	1.04	2.69	8.5	4.9	4.3	5.6	7.9	
11H011293	AltaECHELON	CP	ROBUST X GOLDWYN	2404	552	1251	39	49	1.75	2.03	1.53	2.88	3.5	-1.4	2.3	6.1	6.6	✓
11H011256	AltaMACBOOK	CP	BOOKEM X MAC	2380	599	920	37	38	1.07	1.09	1.58	2.64	6.0	0.6	2.2	6.4	8.1	
11H011224	AltaTERRA	CP	PAUL X PLANET	2341	636	1177	39	55	0.81	0.72	0.40	3.01	5.8	3.1	2.2	5.5	7.9	✓
11H011201	AltaSKODA	CP	NIAGRA X LEIF	2242	449	721	27	22	1.52	2.16	1.67	2.59	4.7	3.1	1.3	6.5	8.6	
11H000573	AltaX P-RED		COLT P-RED X SHOTTLE	2102	417	1050	28	23	0.31	0.97	0.48	2.78	4.9	1.5	1.8	7.1	7.6	
11H000569	AltaDO-RED		DURABLE X LAWN BOY P-RED	1970	328	1020	32	45	0.43	0.04	1.15	2.95	1.7	1.5	-1.7	7.7	7.9	✓
			<i>Average</i>	2329	574	979	37	45	1.08	1.33	1.01	2.81	5.4	1.8	1.8	6.5	7.5	

- In the genomic age, we are able to predict future inbreeding better than ever before. Genomic tests show the exact genetic profile that each animal received instead of estimating it from the average of his/her parents. So when it comes to AI sires, the genetic profile of each bull known is compared to a random sampling of the population to determine the average inbreeding coefficient. That figure is called GFI or “Genomic Future Inbreeding.”
- This list of outcross sires includes only those that are 7.5% GFI or less. Even though some of the bulls above have ‘popular’ sire stacks, their genomic profile tells us that they are actually less related to the breed than other bulls that appear to be more ‘outcross’ on paper.
- Depressed performance associated with inbreeding is already adjusted for in the published proofs. That means the evaluations for bulls with high GFI are already more regressed than bulls with lower inbreeding percentages.
- GFI values are calculated in comparison to the average genetic make-up of the breed. However, individual herds can have a very different genetic profile than average. In some herds, a specific sire with low GFI may actually create an inbreeding problem. Whereas, a bull with high GFI may be a great choice for a herd with a genetic profile that varies significantly from the breed average.
- If inbreeding is of concern to you, work with your trusted Alta advisor to set your own genetic plan, so that a more specific inbreeding can be calculated just for your herd through mating and herd ranks.

Disclaimer: Outcross sires should be defined on an individual herd basis with AltaGPS to determine a true balance between genetic diversity and genetic merit specific to the genetic makeup of your herd

