

Rank	International ID	Name	NTP	YenEBV (yen)	Production traits (EBV)								Type traits (EBV)							Management traits				
					M r2 (%)	Milk (kg)	Fat (kg)	Fat% (%)	SNF (kg)	SNF% (%)	Protein (kg)	Protein% (%)	FS r2 (%)	Final score	Flame	Leg	Dairy character	Body capacity	Udder	SCS	Tempe- rament	Milking speed	Calving ease	Recessive Gene Codes
1	USAM000121007942	JUNGE CORKY SHIVER-ET	+2,304	+137,058	75	+1,734	+62	-0.03	+153	+0.01	+54	-0.02	62	+1.21	+0.52	+0.43	+0.90	+1.58	+1.13	+2.64	100	100		*TL *TV
2	N JPNM0000000051555	DIXIE-LEE CLEITUS CORKY BLIZZARD ET	+2,214	+145,825	81	+2,072	+40	-0.36	+171	-0.10	+55	-0.10	71	+1.03	+0.18	-0.22	+1.07	+1.29	+1.13	+2.07	101	100		*TL *CV
3	USAM000125599047	CARROUSEL-US TITANIC-ET	+2,177	+126,284	76	+1,633	+54	-0.07	+141	-0.02	+48	-0.04	64	+1.31	+0.31	-0.55	+1.28	+1.96	+1.76	+1.89	100	99		*TL *CV
4	USAM000017260791	TESK-HOLM DURANGO-ET	+2,112	+153,618	86	+2,167	+50	-0.30	+173	-0.15	+58	-0.11	72	+0.61	0.00	+0.33	+0.71	-0.19	+0.70	+2.36	101	100		*TL *TV
5	JPNM0000000050876	ROAD-VIEW TIDY B SCREECH ET	+1,995	+148,389	84	+2,068	+53	-0.23	+164	-0.16	+51	-0.15	68	+0.86	-0.23	-0.04	+1.11	+0.09	+1.06	+1.88	100	98	103	*TL *TV
6	USAM000123493550	LATUCH SAMSON-ET	+1,961	+114,959	83	+1,485	+41	-0.15	+136	+0.07	+53	+0.06	74	+0.29	-0.65	+0.39	+0.34	-0.94	+0.80	+2.46	100	100		*TL *TV
7	JPNM0000000051368	HAPPY-CROSS PATRIARCH ET	+1,956	+121,695	88	+1,787	+41	-0.26	+131	-0.25	+50	-0.07	75	+0.95	+0.07	+0.34	+1.39	+1.17	+1.11	+2.64	101	100		*TL *TV
8	N JPNM0000000051477	CATALYST RUPY-ET	+1,940	+122,476	79	+1,575	+55	-0.04	+134	-0.03	+51	+0.01	65	+0.02	-0.53	-0.06	+0.03	-0.38	+0.33	+3.03	100	100		*TL *TV
9	JPNM0000000051169	RCA ATRON ET	+1,928	+109,416	84	+1,415	+49	-0.04	+120	-0.04	+45	0.00	70	+0.62	-0.17	+0.25	+0.42	+0.27	+1.03	+2.37	101	100		*TL *TV
10	JPNM0000000051471	MID-FIELD AERO GLORIOUS	+1,888	+105,283	79	+1,500	+30	-0.27	+122	-0.09	+40	-0.07	69	+1.12	+0.42	+0.68	+0.76	-0.03	+1.19	+2.52	99	100		*TL *TV
11	JPNM0000000051047	ROYAL-OAK DARLA CELSIOR ET	+1,875	+91,595	84	+1,171	+31	-0.14	+112	+0.10	+47	+0.10	68	+1.08	-0.01	+0.64	+0.68	+0.94	+1.12	+2.83	101	101		*TL *CV
12	JPNM0000000051542	DRIFT-ICE HIPPO CLIONE	+1,867	+122,435	79	+1,381	+82	+0.32	+121	+0.01	+46	+0.02	69	+0.39	-0.17	+0.59	+1.41	-0.33	-0.06	+2.49	101	100		*TL *TV
13	USAM000002281475	DE-KA-ACRES JABOT ELF-ET	+1,840	+123,692	87	+1,787	+32	-0.35	+145	-0.11	+51	-0.06	71	+0.36	-0.01	+0.47	+0.36	-0.33	+0.54	+2.42	100	99	101	*TL *CV
14	USAM000018058065	CLAYTOP FATAL MINOS-ET	+1,824	+104,172	71	+1,258	+43	-0.04	+124	+0.15	+50	+0.11	56	+0.42	-0.45	+0.07	+0.24	+0.04	+0.65	+2.51	100	99		*TL *TV
15	USAM000122443646	TESK-HOLM CORPORAL-ET	+1,811	+107,384	76	+1,370	+45	-0.06	+121	+0.02	+43	-0.01	60	+0.93	+0.20	-0.16	+0.82	+0.19	+1.06	+2.16	100	100		*TL *TV
16	USAM000017287329	WILL-BRUST SA MEDALLION-ET	+1,801	+134,808	82	+2,009	+32	-0.42	+156	-0.19	+54	-0.10	63	+0.37	-0.01	+0.10	+0.69	-0.54	+0.34	+2.62	101	100	101	*TL *TV
17	USAM000124244793	MARKWELL WADE DOMINANCE-ET	+1,783	+95,269	83	+1,421	+24	-0.30	+108	-0.16	+32	-0.14	71	+1.16	-0.18	+0.84	+0.47	+0.04	+1.72	+2.52	99	100		*TL *TV
18	USAM000018021237	J-T-WILLOW AERO BOSTON ET	+1,782	+132,348	77	+1,935	+35	-0.37	+152	-0.16	+46	-0.16	65	+0.61	-0.24	+0.29	+0.55	+1.38	+0.81	+2.10	100	100		*TL *TV
19	JPNM0000000051325	HONAMI M B B POLAR-MAN ET	+1,734	+91,284	86	+1,205	+34	-0.12	+105	0.00	+41	+0.03	74	+0.65	-0.13	+0.16	+0.15	-0.08	+1.22	+1.89	101	101		*TL *TV
20	USAM000017064724	ROYLANE JETHRO-ET	+1,716	+98,629	85	+1,400	+29	-0.25	+114	-0.08	+37	-0.08	69	+1.94	+1.42	+0.88	+2.44	+2.68	+1.29	+2.19	100	100	101	*TL *TV
21	N JPNM0000000051575	GOLD-RUSH DICAPRIO	+1,697	+86,204	72	+1,089	+54	+0.14	+81	-0.15	+31	-0.04	60	+1.26	+1.01	+0.79	+2.06	+0.40	+1.20	+2.10	100	100		*TL *TV
22	JPNM0000000051497	HONAMI M B B CHIEF BROCK ET	+1,689	+144,731	80	+2,208	+32	-0.48	+166	-0.26	+47	-0.22	71	+0.83	+0.35	-0.24	+1.12	+0.36	+0.88	+2.42	100	100		*TL *TV
23	JPNM0000000051022	CARILLON N-B BELLWOOD-ET	+1,687	+102,118	83	+1,125	+61	+0.20	+111	+0.14	+39	+0.04	69	+1.02	+0.80	+0.18	+1.21	+1.84	+0.61	+2.04	100	100		*TL *TV
24	USAM000002293001	BEACHLAWN SLOCUM TAM SID-ET	+1,643	+92,599	90	+1,362	+25	-0.27	+105	-0.14	+35	-0.08	76	+1.15	+0.43	+0.66	+0.87	+0.42	+1.38	+2.41	100	100	100	*TL *TV
25	JPNM0000000051281	PLEASANT-HOPE RUDOLPH BETSY ET	+1,641	+92,701	88	+1,383	+16	-0.37	+113	-0.08	+46	+0.02	74	+1.09	+0.82	-0.27	+1.55	+1.05	+1.22	+1.91	100	100		*TL *TV
26	USAM000017273862	GLEN-TOCTIN BUCKNER ET	+1,632	+96,792	84	+1,227	+45	-0.01	+106	-0.01	+42	+0.03	67	+0.85	+0.10	+0.37	+0.78	+0.19	+0.85	+2.57	99	100		*TL *TV
27	USAM000017244977	HENKESEEN HILLWOOD-ET	+1,612	+113,746	85	+1,504	+43	-0.13	+130	-0.02	+46	-0.02	69	+0.73	+0.57	-0.11	+1.08	+1.82	+0.30	+2.26	100	99		*TL *TV
28	USAM000120951798	PEN-COL S SLADE ET	+1,592	+84,853	80	+1,072	+28	-0.13	+105	+0.12	+44	+0.11	67	+0.49	+0.90	-0.15	+0.30	+0.69	+0.42	+2.49	101	100		*TL *TV
28	N JPNM0000000051556	JUNGE TERRY SEVEN-ET	+1,592	+98,331	80	+1,275	+44	-0.03	+107	-0.05	+36	-0.05	66	+0.84	+0.45	+1.10	+0.76	+0.64	+0.60	+2.71	100	100		*TL *TV
30	USAM000124244850	MARKWELL MG DOMINATE-ET	+1,578	+99,658	81	+1,423	+25	-0.30	+119	-0.05	+37	-0.08	69	+1.03	-0.02	+0.68	+0.68	+1.23	+1.22	+2.78	100	100		*TL *TV
31	N JPNM0000000051612	HAPPY-RIVER BLEGGED ET	+1,560	+123,719	82	+1,726	+34	-0.31	+147	-0.03	+47	-0.08	72	+0.50	-0.18	+0.22	+0.81	+0.80	+0.57	+2.38	100	100		*TL *TV
32	N JPNM0000000051581	KIKUICHI WAIZ SHERPA	+1,542	+79,167	76	+1,019	+42	+0.04	+81	-0.09	+31	-0.01	66	+1.50	+1.36	+0.03	+1.10	+2.64	+1.30	+2.06	100	100		*TL *TV
33	USAM000121586997	SANDY-VALLEY GREEN BAY-ET	+1,533	+87,040	78	+1,276	+21	-0.29	+103	-0.09	+30	-0.11	67	+1.12	+0.27	+0.24	+0.30	+1.71	+1.50	+1.84	100	100		*TL *TV
34	USAM000017350646	REGANCREST-JB RAMON-ET	+1,525	+106,697	89	+1,634	+23	-0.39	+123	-0.20	+36	-0.16	78	+1.30	+0.59	+0.29	+1.62	+1.50	+1.29	+2.38	100	99		*TL *TV
35	JPNM0000000050993	HENDRIKA BERT CHALLENGER	+1,516	+150,774	80	+2,528	+36	-0.54	+153	-0.63	+45	-0.33	60	-0.07	-0.84	-0.10	-0.26	-1.54	+0.35	+2.33	100	100		*TL *TV
36	USAM000002266007	RICECREST LOGAN-ET	+1,515	+90,263	99	+1,332	+18	-0.34	+110	-0.07	+34	-0.08	94	+0.79	-0.48	+0.38	+0.85	+0.33	+1.01	+2.39	102	101	99	*TL *CV
37	USAM000017379828	SIKKEMA-STAR MEGA ZEST ET	+1,508	+74,798	80	+886	+31	-0.02	+90	+0.14	+41	+0.15	69	+0.42	+0.05	+0.25	+0.48	+0.25	+0.67	+3.20	101	100		*TL *TV
38	USAM000017370814	SHER-EST RUDOLPH SLICK ET	+1,505	+97,019	87	+1,268	+48	+0.01	+101	-0.11	+37	-0.04	74	+1.15	+1.30	+0.39	+1.36	+1.87	+0.60	+2.50	101	100		*TL *TV
39	USAM000002290385	TIDY-BROOK JEFFERSON-ET	+1,504	+77,854	86	+906	+35	+0.01	+93	+0.15	+40	+0.12	68	+0.20	-0.43	+0.33	+0.66	-0.53	+0.43	+2.28	100	100	102	*TL *TV
40	USAM000002285253	DIRIGO JOEY-ET	+1,502	+112,367	89	+1,687	+19	-0.44	+136	-0.11	+39	-0.14	75	+0.92	+0.36	+0.36	+0.84	-0.20	+0.99	+2.05	100	100	100	*TL *TV
41	USAM000017055472	SPRINGHILL-OH MOHICAN-ET	+1,499	+105,068	84	+1,336	+39	-0.11	+125	+0.08	+40	-0.03	70	+0.44	+0.18	-0.66	+0.24	+0.11	+0.61	+2.00	100	99		*TL *TV
42	USAM000125517553	POLY-KOW WINCHEST BULLET-ET	+1,495	+132,973	84	+2,017	+32	-0.43	+151	-0.24	+40	-0.23	76	+0.69	+0.49	+0.77	+1.21	+0.68	+0.32	+3.02	100	100		*TL *TV
43	USAM000002281082	SULLY ELTON ALAN-ET	+1,486	+60,153	90	+694	+42	+0.18	+57	-0.04	+29	+0.08	77	+1.16	+0.82	+0.52	+1.00	+0.56	+1.01	+2.24	99	99	102	*TL *CV
44	JPNM0000000051098	PRICE VICTORIOUS SABRA	+1,482	+116,685	83	+1,779	+31	-0.36	+129	-0.26	+36	-0.21	68	+1.06	+0.63	+0.43	+1.04	+1.75	+0.91	+2.40	100	99		*TL *TV
45	USAM000121502205	HENKESEEN HORNET ET	+1,476	+88,193	78	+1,252	+19	-0.29	+108	-0.01	+41	+0.01	62	+1.09	+0.62	+0.40	+0.99	+1.09	+0.95	+2.15	101	100		*TL *TV
46	JPNM0000000051245	HAPPY-RIVER ROYAL ROYCE ET	+1,473	+112,617	85	+1,604	+29	-0.31	+134	-0.07	+43	-0.08	71	+0.59	-0.25	+0.17	+0.95	-0.82	+0.64	+2.79	101	100		

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51	USAM000120736474	DARITA CASH PRIORITY ET	+1,430	+93,962	81	+1,107	+56	+0.15	+97	+0.01	+38	+0.04	70	+0.45	+0.28	-0.07	+0.46	+0.02	+0.25	+2.12	100	100	*TL	*TV	
52 N	JPNM000000051638	HAPPY-RIVER CORKYTOP JUNE ET	+1,398	+98,894	67	+1,374	+30	-0.23	+116	-0.04	+36	-0.08	57	+0.07	-1.16	-0.12	0.00	-0.06	+0.54	+2.43	100	100	*TL	*CV	
53	JPNM000000050987	RED-LEAF FIRST BELL ET	+1,371	+89,495	83	+1,107	+48	+0.07	+94	-0.03	+31	-0.04	67	+1.37	+1.64	+0.48	+1.76	+2.20	+0.67	+2.01	100	99	*TL	*TV	
54	JPNM000000051478	HHG BELLWOOD ANNIE ET	+1,369	+111,164	80	+1,486	+45	-0.11	+123	-0.07	+43	-0.04	66	+0.28	+0.07	-0.65	+1.26	+0.63	+0.18	+2.42	100	100	*TL	*TV	
55	USAM000017319070	ROCKY-VU BARON ET	+1,359	+113,608	85	+1,647	+35	-0.27	+127	-0.17	+36	-0.17	72	+0.83	+0.86	-0.12	+0.93	+1.02	+0.67	+2.07	100	100	*TL	*TV	
56	USAM000002300056	MR DEN BARB FELDER CHET-ET	+1,343	+96,768	79	+1,284	+46	-0.02	+101	-0.12	+37	-0.04	65	+0.10	+0.09	+0.01	+0.59	-0.73	+0.22	+2.68	100	100	100	*TL	*TV
57	JPNM000000051177	T-WAVE LIMITED X-ET	+1,340	+57,236	76	+756	+27	-0.02	+60	-0.06	+24	0.00	62	+0.81	-0.51	+0.18	+0.12	+0.34	+1.31	+2.22	100	100	*TL	*TV	
58	USAM000017260788	TESK-HOLM DE VILLE-ET	+1,317	+83,120	87	+1,289	+18	-0.32	+94	-0.19	+31	-0.10	73	+0.96	+0.93	+0.39	+1.23	+0.48	+0.78	+2.37	100	100	*TL	*TV	
59	USAM000002126040	LUTZ-MEADOWS B-STAR MIX-ET	+1,315	+78,403	99	+1,042	+35	-0.04	+83	-0.08	+27	-0.07	99	+0.67	+0.21	-0.29	+0.67	+0.48	+0.89	+2.17	99	100	99	*TL	*TV
60	JPNM000000051080	KDC BELLWOOD PLENTY ET	+1,312	+88,468	83	+1,141	+31	-0.12	+106	+0.06	+35	-0.02	69	+0.80	+0.65	-0.30	+0.75	+1.83	+0.63	+2.28	100	100	*TL	*TV	
61	CANM000006790814	LA PRESENTASION DIXSON ET	+1,304	+103,113	83	+1,517	+28	-0.30	+118	-0.15	+34	-0.15	69	+1.28	+1.45	+0.18	+1.83	+1.79	+0.83	+2.61	102	100	*TL	*TV	
62	USAM000002288598	CONANT-ACRES KAISER-ET	+1,295	+98,821	83	+1,542	+16	-0.43	+117	-0.18	+29	-0.21	62	+0.81	-0.22	+0.05	+0.71	+0.34	+1.12	+2.33	101	100	100	*TL	*TV
63	JPNM000000051191	HAPPY-BELL WAUREGAN MINUET ET	+1,279	+82,998	87	+1,229	+13	-0.34	+103	-0.05	+34	-0.05	71	+0.54	+0.02	+0.68	+0.53	+0.09	+0.60	+1.74	101	100	*TL	*TV	
64	CANM000006625412	ALTAGEN RICKIE ET	+1,263	+67,631	84	+952	+14	-0.23	+84	+0.01	+34	+0.05	67	+1.37	+1.73	+0.13	+1.38	+1.98	+1.12	+3.03	102	100	100	*TL	*TV
65	JPNM000000051540	YKT TETTJE RUDOLPH ET	+1,233	+110,149	87	+1,819	+19	-0.49	+122	-0.37	+32	-0.26	76	+0.99	+0.91	+0.28	+1.14	+0.72	+0.82	+2.45	101	100	*TL	*TV	
66	CANM000006906783	BRAEDALE BLADE ET	+1,214	+31,433	76	+331	+22	+0.12	+31	+0.03	+14	+0.04	64	+1.48	+0.63	+0.56	+1.66	+1.50	+1.39	+2.64	100	101	*TL	*TV	
67	CANM000007053037	ALTAGEN RANON	+1,188	+60,352	80	+809	+22	-0.09	+69	-0.02	+29	+0.04	64	+0.93	+0.93	+0.23	+0.65	+0.71	+0.91	+2.44	100	100	*TL	*TV	
68	CANM000006811748	BRAEDALE PANTHER ET	+1,185	+56,666	85	+776	+23	-0.07	+62	-0.07	+20	-0.05	72	+1.36	+0.99	+0.24	+1.81	+1.26	+1.24	+2.45	100	101	*TL	*TV	
69	USAM000002248756	FARNEAR ELTON ASHLY ZEAL-ET	+1,178	+65,481	99	+792	+55	+0.28	+50	-0.21	+17	-0.10	99	+0.83	-0.30	+0.56	+1.64	+0.55	+0.56	+2.87	100	100	101	*TL	*TV
70	JPNM000000050671	HM JUPITER ET	+1,158	+43,173	86	+217	+50	+0.49	+42	+0.28	+25	+0.21	69	+0.38	+0.09	-0.48	+0.57	-0.07	+0.62	+2.06	100	100	*TL	*TV	
71	USAM000018056368	VISION-GEN JETSON ET	+1,154	+65,629	86	+992	+10	-0.29	+80	-0.07	+21	-0.11	72	+1.45	+0.93	+0.93	+0.94	+1.54	+1.44	+2.38	99	100	*TL	*TV	
72	USAM000017273393	RICECREST DAMON-ET	+1,128	+53,710	83	+807	+6	-0.26	+68	-0.03	+26	0.00	68	+0.97	+0.51	+0.91	+1.40	+0.47	+0.82	+2.43	100	100	100	*TL	*TV
73	CANM000005468895	QUALITY AEROSTAR LORNE-ET	+1,082	+74,364	99	+1,147	+17	-0.28	+84	-0.17	+25	-0.13	99	+0.51	-0.08	+0.25	+0.11	+0.17	+0.78	+2.61	103	100	98	*TL	*TV
74	USAM000002290592	EASTVIEW BELLWOOD BLITZ-ET	+1,077	+82,656	87	+1,049	+38	-0.01	+90	-0.01	+25	-0.09	71	+0.58	-0.23	+0.24	+0.67	-0.47	+0.53	+2.51	100	99	101	*TL	*TV
75	JPNM000000051360	CLEAN SR EDO ET	+1,022	+50,040	82	+625	+25	+0.02	+53	-0.01	+22	+0.02	71	+1.23	+1.01	+0.57	+0.88	+1.19	+0.99	+2.36	101	100	*TL	*TV	
76	JPNM000000050988	RED-LEAF SECOND CHALLENGER-ET	+1,014	+66,314	85	+816	+39	+0.10	+66	-0.06	+19	-0.07	68	+1.15	+1.04	+0.45	+1.16	+1.88	+0.71	+1.87	100	100	*TL	*TV	
77	JPNM000000050713	HONAMI M B B NICOLSON ET	+991	+61,343	76	+849	+28	-0.04	+63	-0.13	+25	-0.03	60	-0.39	-0.93	-1.14	-0.34	-1.33	+0.48	+2.28	100	100	*TL	*TV	
78	JPNM000000050871	HONAMI M B B LEADERMAN ET	+957	+63,501	79	+826	+35	+0.05	+62	-0.11	+25	-0.01	62	+0.09	-0.19	-0.43	+0.36	-0.72	+0.43	+2.44	100	100	*TL	*TV	
79	USAM000017250344	WESSWOOD-HC MERLIN-ET	+956	+71,196	80	+988	+26	-0.12	+79	-0.08	+20	-0.12	61	+1.28	+0.75	+0.31	+1.30	+2.12	+1.02	+1.99	99	99	*TL	*TV	
80	USAM000002251996	DE-KA-ENGLAND SOL-ET	+866	+56,211	98	+876	+11	-0.24	+65	-0.13	+15	-0.14	94	+0.68	-0.49	+0.63	+1.00	-0.24	+0.78	+2.64	100	100	103	*TL	*CV
81	USAM000018013710	WINDCREST LORD JETHRO ET	+833	+18,433	85	+123	+20	+0.19	+17	+0.07	+13	+0.10	72	+0.80	+0.43	+0.72	+0.85	+0.38	+0.84	+1.94	101	100	*TL	*TV	
82	JPNM000000050676	THREE-F JORDAN	+815	+60,084	99	+1,073	+2	-0.41	+68	-0.27	+15	-0.20	95	+1.66	+1.44	+0.41	+1.89	+1.41	+1.36	+2.73	101	100	99	*TL	*TV
83	JPNM000000050803	LADYS-MANOR CRUISE CASTING ET	+708	+3,794	87	-103	+12	+0.20	+5	+0.17	+7	+0.12	73	+1.43	+1.08	+1.19	+1.04	+1.13	+1.12	+2.32	100	99	99	*TL	*TV
84	JPNM000000051326	HONAMI M B B SELECTMAN ET	+680	+68,122	87	+1,081	+7	-0.36	+83	-0.12	+19	-0.17	72	+0.02	-0.33	-0.32	+0.16	-0.45	+0.18	+2.38	99	100	*TL	*TV	
85	USAM000002285271	LEXY-LANE BW LAZER-ET	+450	+64,641	87	+1,084	+16	-0.27	+66	-0.31	+14	-0.22	71	+0.64	-0.02	+0.15	+1.33	+0.23	+0.40	+2.14	101	99	103	*TL	*TV
86	JPNM000000050250	THREEVALLEY FARM LEADMAN ET	+265	-4,770	83	-185	+1	+0.10	+1	+0.21	+4	+0.13	66	+0.18	+0.47	-0.48	+0.66	-0.37	+0.23	+2.00	98	100	*TL	*TV	

1) The genetic base is in 1995.

2) 'N' means newly listed bulls.

3) EBV stands for Estimated Breeding Value. 'M r2' means the reliability of Milk(kg) EBV, and 'FS r2' means the reliability of Final Score's EBV.

4) Animals recorded as a carrier of a recessive gene and animals recorded as having tested free of a recessive gene are identified with the following codes:

Recessive Gene Codes: *BL - Bovine Leukocyte Adhesion Deficiency (BLAD), *CV - Complex Vertebral Malformation(CVM)

Recessive Tested Codes: *TL - Tested free of BLAD, *TV - Tested free of CVM