

DIRECT GENOMIC VALUE (DGV)
GENETIC EVALUATION FILE LAYOUT - CSV FORMAT

<u><i>Field</i></u>	<u><i>Content</i></u>	<u><i>Length</i></u>	<u><i>Type</i></u>	<u><i>Position</i></u>	<u><i>Example</i></u>	<u><i>Interbull Trait</i></u>	<u><i>Interbull code</i></u>
1	REGISTRATION NUMBER	18	A/N	1 - 18	HOCANM123456789012		
2	REGISTERED NAME	40	A/N	20 - 59	ANIMAL NAME		
3	BIRTH DATE	8	D	61 - 68	20090319		
4	GE RUN	4	N	70 - 73	XXXX		
5	GENOTYPE PANEL	5	A/N	75 - 79	NOTE 4 X		
6	LPI OFFICIAL CODE	1	N	81 - 81	NOTE 1 X		
7	LPI GEBV	5	N	83 - 87	-XXXX		
8	LPI GEBV RELIABILITY	2	N	89 - 90	XX		
9	LPI DGV	5	N	92 - 96	-XXXX		
10	LPI DGV RELIABILITY	2	N	98 - 99	XX		
11	LPI EBV	5	N	101 - 105	-XXXX		
12	LPI EBV RELIABILITY	2	N	107 - 108	XX		
13	LPI RELIABILITY CHANGE	2	N	110 - 111	XX		
14	LPI PRODUCTION COMPONENT GEBV	5	N	113 - 117	-XXXX		
15	LPI PRODUCTION COMPONENT GEBV RELIABILITY	2	N	119 - 120	XX		
16	LPI PRODUCTION COMPONENT DGV	5	N	122 - 126	-XXXX		
17	LPI PRODUCTION COMPONENT DGV RELIABILITY	2	N	128 - 129	XX		
18	LPI PRODUCTION COMPONENT EBV	5	N	131 - 135	-XXXX		
19	LPI PRODUCTION COMPONENT EBV RELIABILITY	2	N	137 - 138	XX		
20	LPI PRODUCTION COMPONENT RELIABILITY CHANGE	2	N	140 - 141	XX		
21	LPI DURABILITY COMPONENT GEBV	5	N	143 - 147	-XXXX		
22	LPI DURABILITY COMPONENT GEBV RELIABILITY	2	N	149 - 150	XX		
23	LPI DURABILITY COMPONENT DGV	5	N	152 - 156	-XXXX		
24	LPI DURABILITY COMPONENT DGV RELIABILITY	2	N	158 - 159	XX		
25	LPI DURABILITY COMPONENT EBV	5	N	161 - 165	-XXXX		
26	LPI DURABILITY COMPONENT EBV RELIABILITY	2	N	167 - 168	XX		
27	LPI DURABILITY COMPONENT RELIABILITY CHANGE	2	N	170 - 171	XX		
28	LPI HEALTH & FERTILITY COMPONENT GEBV	5	N	173 - 177	-XXXX		
29	LPI HEALTH & FERTILITY COMPONENT GEBV RELIABILITY	2	N	179 - 180	XX		
30	LPI HEALTH & FERTILITY COMPONENT DGV	5	N	182 - 186	-XXXX		
31	LPI HEALTH & FERTILITY COMPONENT DGV RELIABILITY	2	N	188 - 189	XX		
32	LPI HEALTH & FERTILITY COMPONENT EBV	5	N	191 - 195	-XXXX		
33	LPI HEALTH & FERTILITY COMPONENT EBV RELIABILITY	2	N	197 - 198	XX		
34	LPI HEALTH & FERTILITY COMPONENT RELIABILITY CHANGE	2	N	200 - 201	XX		
35	PROFIT INDEX GEBV	5	N	203 - 207	-XXXX		
36	PROFIT INDEX DGV	5	N	209 - 213	-XXXX		
37	PROFIT INDEX EBV	5	N	215 - 219	-XXXX		
38	PRODUCTION OFFICIAL CODE	1	N	221 - 221	NOTE 1 X		
39	MILK GEBV	5	N	223 - 227	-XXXX	Milk	mil
40	MILK GEBV RELIABILITY	2	N	229 - 230	XX		
41	MILK DGV	5	N	232 - 236	-XXXX		
42	MILK DGV RELIABILITY	2	N	238 - 239	XX		
43	MILK EBV	5	N	241 - 245	-XXXX		
44	MILK EBV RELIABILITY	2	N	247 - 248	XX		
45	MILK RELIABILITY CHANGE	2	N	250 - 251	XX		
46	FAT GEBV	4	N	253 - 256	-XXX	Fat	fat
47	FAT GEBV RELIABILITY	2	N	258 - 259	XX		
48	FAT DGV	4	N	261 - 264	-XXX		
49	FAT DGV RELIABILITY	2	N	266 - 267	XX		
50	FAT EBV	4	N	269 - 272	-XXX		
51	FAT EBV RELIABILITY	2	N	274 - 275	XX		
52	FAT RELIABILITY CHANGE	2	N	277 - 278	XX		
53	PROTEIN GEBV	4	N	280 - 283	-XXX	Protein	pro
54	PROTEIN GEBV RELIABILITY	2	N	285 - 286	XX		
55	PROTEIN DGV	4	N	288 - 291	-XXX		
56	PROTEIN DGV RELIABILITY	2	N	293 - 294	XX		
57	PROTEIN EBV	4	N	296 - 299	-XXX		
58	PROTEIN EBV RELIABILITY	2	N	301 - 302	XX		
59	PROTEIN RELIABILITY CHANGE	2	N	304 - 305	XX		
60	FAT PERCENT GEBV	5	N	307 - 311	NOTE 2 -X.XX		
61	FAT PERCENT GEBV RELIABILITY	2	N	313 - 314	XX		
62	FAT PERCENT DGV	5	N	316 - 320	NOTE 2 -X.XX		
63	FAT PERCENT DGV RELIABILITY	2	N	322 - 323	XX		
64	FAT PERCENT EBV	5	N	325 - 329	NOTE 2 -X.XX		
65	FAT PERCENT EBV RELIABILITY	2	N	331 - 332	XX		
66	FAT PERCENT RELIABILITY CHANGE	2	N	334 - 335	XX		
67	PROTEIN PERCENT GEBV	5	N	337 - 341	NOTE 2 -X.XX		
68	PROTEIN PERCENT GEBV RELIABILITY	2	N	343 - 344	XX		
69	PROTEIN PERCENT DGV	5	N	346 - 350	NOTE 2 -X.XX		
70	PROTEIN PERCENT DGV RELIABILITY	2	N	352 - 353	XX		
71	PROTEIN PERCENT EBV	5	N	355 - 359	NOTE 2 -X.XX		
72	PROTEIN PERCENT EBV RELIABILITY	2	N	361 - 362	XX		
73	PROTEIN PERCENT RELIABILITY CHANGE	2	N	364 - 365	XX		
74	LACTATION PERSISTENCY (LP) OFFICIAL CODE	1	N	367 - 367	NOTE 1 X		
75	LP GEBV	3	N	369 - 371	XXX		
76	LP GEBV RELIABILITY	2	N	373 - 374	XX		
77	LP DGV	3	N	376 - 378	XXX		
78	LP DGV RELIABILITY	2	N	380 - 381	XX		
79	LP EBV	3	N	383 - 385	XXX		
80	LP EBV RELIABILITY	2	N	387 - 388	XX		
81	LP RELIABILITY CHANGE	2	N	390 - 391	XX		
82	SOMATIC CELL SCORE (SCS) OFFICIAL CODE	1	N	393 - 393	NOTE 1 X		
83	SCS GEBV	4	N	395 - 398	0XXX	Milk Somatic Cell	scs
84	SCS GEBV RELIABILITY	2	N	400 - 401	XX		
85	SCS DGV	4	N	403 - 406	0XXX		
86	SCS DGV RELIABILITY	2	N	408 - 409	XX		
87	SCS EBV	4	N	411 - 414	0XXX		
88	SCS EBV RELIABILITY	2	N	416 - 417	XX		
89	SCS RELIABILITY CHANGE	2	N	419 - 420	XX		
90	CALVING ABILITY (CA) OFFICIAL CODE	1	N	422 - 422	NOTE 1 X		
91	CA GEBV	3	N	424 - 426	XXX		
92	CA GEBV RELIABILITY	2	N	428 - 429	XX		
93	CA DGV	3	N	431 - 433	XXX		
94	CA DGV RELIABILITY	2	N	435 - 436	XX		
95	CA EBV	3	N	438 - 440	XXX		
96	CA EBV RELIABILITY	2	N	442 - 443	XX		
97	CA RELIABILITY CHANGE	2	N	445 - 446	XX		
98	DAUGHTER CALVING ABILITY (DCA) OFFICIAL CODE	1	N	448 - 448	NOTE 1 X		
99	DCA GEBV	3	N	450 - 452	XXX		
100	DCA GEBV RELIABILITY	2	N	454 - 455	XX		
101	DCA DGV	3	N	457 - 459	XXX		
102	DCA DGV RELIABILITY	2	N	461 - 462	XX		
103	DCA EBV	3	N	464 - 466	XXX		
104	DCA EBV RELIABILITY	2	N	468 - 469	XX		
105	DCA RELIABILITY CHANGE	2	N	471 - 472	XX		
106	HERD LIFE (HL) OFFICIAL CODE	1	N	474 - 474	NOTE 1 X		
107	HL GEBV	3	N	476 - 478	XXX		

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108	HL GEBV RELIABILITY	2	N	480 - 481			XX
109	HL DGV	3	N	483 - 485			XXX
110	HL DGV RELIABILITY	2	N	487 - 488			XX
111	HL EBV	3	N	490 - 492			XXX
112	HL EBV RELIABILITY	2	N	494 - 495			XX
113	HL RELIABILITY CHANGE	2	N	497 - 498			XX
114	MILKING SPEED (MSP) OFFICIAL CODE	1	N	500 - 500	NOTE 1	Milkability	msp
115	MSP GEBV	3	N	502 - 504			XXX
116	MSP GEBV RELIABILITY	2	N	506 - 507			XX
117	MSP DGV	3	N	509 - 511			XXX
118	MSP DGV RELIABILITY	2	N	513 - 514			XX
119	MSP EBV	3	N	516 - 518			XXX
120	MSP EBV RELIABILITY	2	N	520 - 521			XX
121	MSP RELIABILITY CHANGE	2	N	523 - 524			XX
122	MILKING TEMPERAMENT (MT) OFFICIAL CODE	1	N	526 - 526	NOTE 1	Temperament	tem
123	MT GEBV	3	N	528 - 530			XXX
124	MT GEBV RELIABILITY	2	N	532 - 533			XX
125	MT DGV	3	N	535 - 537			XXX
126	MT DGV RELIABILITY	2	N	539 - 540			XX
127	MT EBV	3	N	542 - 544			XXX
128	MT EBV RELIABILITY	2	N	546 - 547			XX
129	MT RELIABILITY CHANGE	2	N	549 - 550			XX
130	DAUGHTER FERTILITY (DF) OFFICIAL CODE	1	N	552 - 552	NOTE 1		X
131	DF GEBV	3	N	554 - 556			XXX
132	DF GEBV RELIABILITY	2	N	558 - 559			XX
133	DF DGV	3	N	561 - 563			XXX
134	DF DGV RELIABILITY	2	N	565 - 566			XX
135	DF EBV	3	N	568 - 570			XXX
136	DF EBV RELIABILITY	2	N	572 - 573			XX
137	DF RELIABILITY CHANGE	2	N	575 - 576			XX
138	BODY CONDITION SCORE (BCS) OFFICIAL CODE	1	N	578 - 578	NOTE 1	Body Condition Score	bcs
139	BCS GEBV	3	N	580 - 582			XXX
140	BCS GEBV RELIABILITY	2	N	584 - 585			XX
141	BCS DGV	3	N	587 - 589			XXX
142	BCS DGV RELIABILITY	2	N	591 - 592			XX
143	BCS EBV	3	N	594 - 596			XXX
144	BCS EBV RELIABILITY	2	N	598 - 599			XX
145	BCS RELIABILITY CHANGE	2	N	601 - 602			XX
146	MASTITIS RESISTANCE (MR) OFFICIAL CODE	1	N	604 - 604	NOTE 1	Clinical Mastitis (as of Dec 2014)	mas
147	MR GEBV	3	N	606 - 608			XXX
148	MR GEBV RELIABILITY	2	N	610 - 611			XX
149	MR DGV	3	N	613 - 615			XXX
150	MR DGV RELIABILITY	2	N	617 - 618			XX
151	MR EBV	3	N	620 - 622			XXX
152	MR EBV RELIABILITY	2	N	624 - 625			XX
153	MR RELIABILITY CHANGE	2	N	627 - 628			XX
154	METABOLIC DISEASE RESISTANCE (MDR) OFFICIAL CODE	1	N	630 - 630	NOTE 1		X
155	MDR GEBV	3	N	632 - 634			XXX
156	MDR GEBV RELIABILITY	2	N	636 - 637			XX
157	MDR DGV	3	N	639 - 641			XXX
158	MDR DGV RELIABILITY	2	N	643 - 644			XX
159	MDR EBV	3	N	646 - 648			XXX
160	MDR EBV RELIABILITY	2	N	650 - 651			XX
161	MDR RELIABILITY CHANGE	2	N	653 - 654			XX
162	HOOF HEALTH (HH) OFFICIAL CODE	1	N	656 - 656	NOTE 1		X
163	HH GEBV	3	N	658 - 660			XXX
164	HH GEBV RELIABILITY	2	N	662 - 663			XX
165	CONFORMATION OFFICIAL CODE	1	N	665 - 665	NOTE 1	Overall Conformation Score	ocs
166	CONFORMATION GEBV	3	N	667 - 669			-XX
167	CONFORMATION GEBV RELIABILITY	2	N	671 - 672			XX
168	CONFORMATION DGV	3	N	674 - 676			-XX
169	CONFORMATION DGV RELIABILITY	2	N	678 - 679			XX
170	CONFORMATION EBV	3	N	681 - 683			-XX
171	CONFORMATION EBV RELIABILITY	2	N	685 - 686			XX
172	CONFORMATION RELIABILITY CHANGE	2	N	688 - 689			XX
173	RUMP GEBV	3	N	691 - 693			-XX
174	RUMP GEBV RELIABILITY	2	N	695 - 696			XX
175	RUMP DGV	3	N	698 - 700			-XX
176	RUMP DGV RELIABILITY	2	N	702 - 703			XX
177	RUMP EBV	3	N	705 - 707			-XX
178	RUMP EBV RELIABILITY	2	N	709 - 710			XX
179	RUMP RELIABILITY CHANGE	2	N	712 - 713			XX
180	MAMMARY SYSTEM GEBV	3	N	715 - 717		Overall Udder Score	ous
181	MAMMARY SYSTEM GEBV RELIABILITY	2	N	719 - 720			XX
182	MAMMARY SYSTEM DGV	3	N	722 - 724			-XX
183	MAMMARY SYSTEM DGV RELIABILITY	2	N	726 - 727			XX
184	MAMMARY SYSTEM EBV	3	N	729 - 731			-XX
185	MAMMARY SYSTEM EBV RELIABILITY	2	N	733 - 734			XX
186	MAMMARY SYSTEM RELIABILITY CHANGE	2	N	736 - 737			XX
187	FEET & LEGS GEBV	3	N	739 - 741		Overall Feet and Legs Score	off
188	FEET & LEGS GEBV RELIABILITY	2	N	743 - 744			XX
189	FEET & LEGS DGV	3	N	746 - 748			-XX
190	FEET & LEGS DGV RELIABILITY	2	N	750 - 751			XX
191	FEET & LEGS EBV	3	N	753 - 755			-XX
192	FEET & LEGS EBV RELIABILITY	2	N	757 - 758			XX
193	FEET & LEGS RELIABILITY CHANGE	2	N	760 - 761			XX
194	DAIRY STRENGTH GEBV	3	N	763 - 765			-XX
195	DAIRY STRENGTH GEBV RELIABILITY	2	N	767 - 768			XX
196	DAIRY STRENGTH DGV	3	N	770 - 772			-XX
197	DAIRY STRENGTH DGV RELIABILITY	2	N	774 - 775			XX
198	DAIRY STRENGTH EBV	3	N	777 - 779			-XX
199	DAIRY STRENGTH EBV RELIABILITY	2	N	781 - 782			XX
200	DAIRY STRENGTH RELIABILITY CHANGE	2	N	784 - 785			XX
201	RUMP ANGLE GEBV	3	N	787 - 789		Rump Angle	ran
202	RUMP ANGLE GEBV ALPHA	1	A/N	791 - 791	NOTE 3		X
203	RUMP ANGLE GEBV RELIABILITY	2	N	793 - 794			XX
204	RUMP ANGLE DGV	3	N	796 - 798			-XX
205	RUMP ANGLE DGV ALPHA	1	A/N	800 - 800	NOTE 3		X
206	RUMP ANGLE DGV RELIABILITY	2	N	802 - 803			XX
207	RUMP ANGLE EBV	3	N	805 - 807			-XX
208	RUMP ANGLE EBV ALPHA	1	A/N	809 - 809	NOTE 3		X
209	RUMP ANGLE EBV RELIABILITY	2	N	811 - 812			XX
210	RUMP ANGLE RELIABILITY CHANGE	2	N	814 - 815			XX
211	PIN WIDTH GEBV	3	N	817 - 819		Rump Width	rwi
212	PIN WIDTH GEBV RELIABILITY	2	N	821 - 822			XX
213	PIN WIDTH DGV	3	N	824 - 826			-XX
214	PIN WIDTH DGV RELIABILITY	2	N	828 - 829			XX

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215	PIN WIDTH EBV	3	N	831 - 833			-XX
216	PIN WIDTH EBV RELIABILITY	2	N	835 - 836			XX
217	PIN WIDTH RELIABILITY CHANGE	2	N	838 - 839			XX
218	LOIN STRENGTH GEBV	3	N	841 - 843			-XX
219	LOIN STRENGTH GEBV RELIABILITY	2	N	845 - 846			XX
220	LOIN STRENGTH DGV	3	N	848 - 850			-XX
221	LOIN STRENGTH DGV RELIABILITY	2	N	852 - 853			XX
222	LOIN STRENGTH EBV	3	N	855 - 857			-XX
223	LOIN STRENGTH EBV RELIABILITY	2	N	859 - 860			XX
224	LOIN STRENGTH RELIABILITY CHANGE	2	N	862 - 863			XX
225	THURL PLACEMENT GEBV	3	N	865 - 867			-XX
226	THURL PLACEMENT GEBV ALPHA	1	A/N	869 - 869	NOTE 3		X
227	THURL PLACEMENT GEBV RELIABILITY	2	N	871 - 872			XX
228	THURL PLACEMENT DGV	3	N	874 - 876			-XX
229	THURL PLACEMENT DGV ALPHA	1	A/N	878 - 878	NOTE 3		X
230	THURL PLACEMENT DGV RELIABILITY	2	N	880 - 881			XX
231	THURL PLACEMENT EBV	3	N	883 - 885			-XX
232	THURL PLACEMENT EBV ALPHA	1	A/N	887 - 887	NOTE 3		X
233	THURL PLACEMENT EBV RELIABILITY	2	N	889 - 890			XX
234	THURL PLACEMENT RELIABILITY CHANGE	2	N	892 - 893			XX
235	UDDER DEPTH GEBV	3	N	895 - 897		Udder Depth	ude
236	UDDER DEPTH GEBV ALPHA	1	A/N	899 - 899	NOTE 3		X
237	UDDER DEPTH GEBV RELIABILITY	2	N	901 - 902			XX
238	UDDER DEPTH DGV	3	N	904 - 906			-XX
239	UDDER DEPTH DGV ALPHA	1	A/N	908 - 908	NOTE 3		X
240	UDDER DEPTH DGV RELIABILITY	2	N	910 - 911			XX
241	UDDER DEPTH EBV	3	N	913 - 915			-XX
242	UDDER DEPTH EBV ALPHA	1	A/N	917 - 917	NOTE 3		X
243	UDDER DEPTH EBV RELIABILITY	2	N	919 - 920			XX
244	UDDER DEPTH RELIABILITY CHANGE	2	N	922 - 923			XX
245	UDDER TEXTURE GEBV	3	N	925 - 927			-XX
246	UDDER TEXTURE GEBV RELIABILITY	2	N	929 - 930			XX
247	UDDER TEXTURE DGV	3	N	932 - 934			-XX
248	UDDER TEXTURE DGV RELIABILITY	2	N	936 - 937			XX
249	UDDER TEXTURE EBV	3	N	939 - 941			-XX
250	UDDER TEXTURE EBV RELIABILITY	2	N	943 - 944			XX
251	UDDER TEXTURE RELIABILITY CHANGE	2	N	946 - 947			XX
252	MEDIAN SUSPENSORY GEBV	3	N	949 - 951		Udder Support	usu
253	MEDIAN SUSPENSORY GEBV RELIABILITY	2	N	953 - 954			XX
254	MEDIAN SUSPENSORY DGV	3	N	956 - 958			-XX
255	MEDIAN SUSPENSORY DGV RELIABILITY	2	N	960 - 961			XX
256	MEDIAN SUSPENSORY EBV	3	N	963 - 965			-XX
257	MEDIAN SUSPENSORY EBV RELIABILITY	2	N	967 - 968			XX
258	MEDIAN SUSPENSORY RELIABILITY CHANGE	2	N	970 - 971			XX
259	FORE ATTACH GEBV	3	N	973 - 975		Fore Udder Attachment	fua
260	FORE ATTACH GEBV RELIABILITY	2	N	977 - 978			XX
261	FORE ATTACH DGV	3	N	980 - 982			-XX
262	FORE ATTACH DGV RELIABILITY	2	N	984 - 985			XX
263	FORE ATTACH EBV	3	N	987 - 989			-XX
264	FORE ATTACH EBV RELIABILITY	2	N	991 - 992			XX
265	FORE ATTACH RELIABILITY CHANGE	2	N	994 - 995			XX
266	FORE TEAT PLACE GEBV	3	N	997 - 999		Front Teat Placement	ftp
267	FORE TEAT PLACE GEBV ALPHA	1	A/N	1001 - 1001	NOTE 3		X
268	FORE TEAT PLACE GEBV RELIABILITY	2	N	1003 - 1004			XX
269	FORE TEAT PLACE DGV	3	N	1006 - 1008			-XX
270	FORE TEAT PLACE DGV ALPHA	1	A/N	1010 - 1010	NOTE 3		X
271	FORE TEAT PLACE DGV RELIABILITY	2	N	1012 - 1013			XX
272	FORE TEAT PLACE EBV	3	N	1015 - 1017			-XX
273	FORE TEAT PLACE EBV ALPHA	1	A/N	1019 - 1019	NOTE 3		X
274	FORE TEAT PLACE EBV RELIABILITY	2	N	1021 - 1022			XX
275	FORE TEAT PLACE RELIABILITY CHANGE	2	N	1024 - 1025			XX
276	REAR ATTACH HEIGHT GEBV	3	N	1027 - 1029		Rear Udder Height	ruh
277	REAR ATTACH HEIGHT GEBV RELIABILITY	2	N	1031 - 1032			XX
278	REAR ATTACH HEIGHT DGV	3	N	1034 - 1036			-XX
279	REAR ATTACH HEIGHT DGV RELIABILITY	2	N	1038 - 1039			XX
280	REAR ATTACH HEIGHT EBV	3	N	1041 - 1043			-XX
281	REAR ATTACH HEIGHT EBV RELIABILITY	2	N	1045 - 1046			XX
282	REAR ATTACH HEIGHT RELIABILITY CHANGE	2	N	1048 - 1049			XX
283	REAR ATTACH WIDTH GEBV	3	N	1051 - 1053		Rear Udder Width	ruw
284	REAR ATTACH WIDTH GEBV RELIABILITY	2	N	1055 - 1056			XX
285	REAR ATTACH WIDTH DGV	3	N	1058 - 1060			-XX
286	REAR ATTACH WIDTH DGV RELIABILITY	2	N	1062 - 1063			XX
287	REAR ATTACH WIDTH EBV	3	N	1065 - 1067			-XX
288	REAR ATTACH WIDTH EBV RELIABILITY	2	N	1069 - 1070			XX
289	REAR ATTACH WIDTH RELIABILITY CHANGE	2	N	1072 - 1073			XX
290	REAR TEAT PLACE GEBV	3	N	1075 - 1077		Rear Teat Placement	rtp
291	REAR TEAT PLACE GEBV ALPHA	1	A/N	1079 - 1079	NOTE 3		X
292	REAR TEAT PLACE GEBV RELIABILITY	2	N	1081 - 1082			XX
293	REAR TEAT PLACE DGV	3	N	1084 - 1086			-XX
294	REAR TEAT PLACE DGV ALPHA	1	A/N	1088 - 1088	NOTE 3		X
295	REAR TEAT PLACE DGV RELIABILITY	2	N	1090 - 1091			XX
296	REAR TEAT PLACE EBV	3	N	1093 - 1095			-XX
297	REAR TEAT PLACE EBV ALPHA	1	A/N	1097 - 1097	NOTE 3		X
298	REAR TEAT PLACE EBV RELIABILITY	2	N	1099 - 1100			XX
299	REAR TEAT PLACE RELIABILITY CHANGE	2	N	1102 - 1103			XX
300	TEAT LENGTH GEBV	3	N	1105 - 1107		Front Teat Length	ftl
301	TEAT LENGTH GEBV ALPHA	1	A/N	1109 - 1109	NOTE 3		X
302	TEAT LENGTH GEBV RELIABILITY	2	N	1111 - 1112			XX
303	TEAT LENGTH DGV	3	N	1114 - 1116			-XX
304	TEAT LENGTH DGV ALPHA	1	A/N	1118 - 1118	NOTE 3		X
305	TEAT LENGTH DGV RELIABILITY	2	N	1120 - 1121			XX
306	TEAT LENGTH EBV	3	N	1123 - 1125			-XX
307	TEAT LENGTH EBV ALPHA	1	A/N	1127 - 1127	NOTE 3		X
308	TEAT LENGTH EBV RELIABILITY	2	N	1129 - 1130			XX
309	TEAT LENGTH RELIABILITY CHANGE	2	N	1132 - 1133			XX
310	FOOT ANGLE GEBV	3	N	1135 - 1137		Foot Angle	fan
311	FOOT ANGLE GEBV RELIABILITY	2	N	1139 - 1140			XX
312	FOOT ANGLE DGV	3	N	1142 - 1144			-XX
313	FOOT ANGLE DGV RELIABILITY	2	N	1146 - 1147			XX
314	FOOT ANGLE EBV	3	N	1149 - 1151			-XX
315	FOOT ANGLE EBV RELIABILITY	2	N	1153 - 1154			XX
316	FOOT ANGLE RELIABILITY CHANGE	2	N	1156 - 1157			XX
317	HEEL DEPTH GEBV	3	N	1159 - 1161		Heel Depth/Hoof Height	hde
318	HEEL DEPTH GEBV RELIABILITY	2	N	1163 - 1164			XX
319	HEEL DEPTH DGV	3	N	1166 - 1168			-XX
320	HEEL DEPTH DGV RELIABILITY	2	N	1170 - 1171			XX
321	HEEL DEPTH EBV	3	N	1173 - 1175			-XX

**DIRECT GENOMIC VALUE (DGV)
 GENETIC EVALUATION FILE LAYOUT - CSV FORMAT**

<u>Fleld</u>	<u>Content</u>	<u>Length</u>	<u>Type</u>	<u>Position</u>	<u>Example</u>	<u>Interbull Trait</u>	<u>Interbull code</u>
322	HEEL DEPTH EBV RELIABILITY	2	N	1177 - 1178			XX
323	HEEL DEPTH RELIABILITY CHANGE	2	N	1180 - 1181			XX
324	BONE QUALITY GEBV	3	N	1183 - 1185			-XX
325	BONE QUALITY GEBV RELIABILITY	2	N	1187 - 1188			XX
326	BONE QUALITY DGV	3	N	1190 - 1192			-XX
327	BONE QUALITY DGV RELIABILITY	2	N	1194 - 1195			XX
328	BONE QUALITY EBV	3	N	1197 - 1199			-XX
329	BONE QUALITY EBV RELIABILITY	2	N	1201 - 1202			XX
330	BONE QUALITY RELIABILITY CHANGE	2	N	1204 - 1205			XX
331	REAR LEG SIDE VIEW GEBV	3	N	1207 - 1209		Rear Leg Set	rls
332	REAR LEG SIDE VIEW GEBV ALPHA	1	A/N	1211 - 1211	NOTE 3		X
333	REAR LEG SIDE VIEW GEBV RELIABILITY	2	N	1213 - 1214			XX
334	REAR LEG SIDE VIEW DGV	3	N	1216 - 1218			-XX
335	REAR LEG SIDE VIEW DGV ALPHA	1	A/N	1220 - 1220	NOTE 3		X
336	REAR LEG SIDE VIEW DGV RELIABILITY	2	N	1222 - 1223			XX
337	REAR LEG SIDE VIEW EBV	3	N	1225 - 1227			-XX
338	REAR LEG SIDE VIEW EBV ALPHA	1	A/N	1229 - 1229	NOTE 3		X
339	REAR LEG SIDE VIEW EBV RELIABILITY	2	N	1231 - 1232			XX
340	REAR LEG SIDE VIEW RELIABILITY CHANGE	2	N	1234 - 1235			XX
341	REAR LEG REAR VIEW GEBV	3	N	1237 - 1239		Rear-leg Rear View Locomotion	rlr loc
342	REAR LEG REAR VIEW GEBV RELIABILITY	2	N	1241 - 1242			XX
343	REAR LEG REAR VIEW DGV	3	N	1244 - 1246			-XX
344	REAR LEG REAR VIEW DGV RELIABILITY	2	N	1248 - 1249			XX
345	REAR LEG REAR VIEW EBV	3	N	1251 - 1253			-XX
346	REAR LEG REAR VIEW EBV RELIABILITY	2	N	1255 - 1256			XX
347	REAR LEG REAR VIEW RELIABILITY CHANGE	2	N	1258 - 1259			XX
348	STATURE GEBV	3	N	1261 - 1263		Stature	sta
349	STATURE GEBV RELIABILITY	2	N	1265 - 1266			XX
350	STATURE DGV	3	N	1268 - 1270			-XX
351	STATURE DGV RELIABILITY	2	N	1272 - 1273			XX
352	STATURE EBV	3	N	1275 - 1277			-XX
353	STATURE EBV RELIABILITY	2	N	1279 - 1280			XX
354	STATURE RELIABILITY CHANGE	2	N	1282 - 1283			XX
355	HEIGHT AT FRONT END GEBV	3	N	1285 - 1287			-XX
356	HEIGHT AT FRONT END GEBV RELIABILITY	2	N	1289 - 1290			XX
357	HEIGHT AT FRONT END DGV	3	N	1292 - 1294			-XX
358	HEIGHT AT FRONT END DGV RELIABILITY	2	N	1296 - 1297			XX
359	HEIGHT AT FRONT END EBV	3	N	1299 - 1301			-XX
360	HEIGHT AT FRONT END EBV RELIABILITY	2	N	1303 - 1304			XX
361	HEIGHT AT FRONT END RELIABILITY CHANGE	2	N	1306 - 1307			XX
362	CHEST WIDTH GEBV	3	N	1309 - 1311		Chest Width	cwi
363	CHEST WIDTH GEBV RELIABILITY	2	N	1313 - 1314			XX
364	CHEST WIDTH DGV	3	N	1316 - 1318			-XX
365	CHEST WIDTH DGV RELIABILITY	2	N	1320 - 1321			XX
366	CHEST WIDTH EBV	3	N	1323 - 1325			-XX
367	CHEST WIDTH EBV RELIABILITY	2	N	1327 - 1328			XX
368	CHEST WIDTH RELIABILITY CHANGE	2	N	1330 - 1331			XX
369	BODY DEPTH GEBV	3	N	1333 - 1335		Body Depth	bde
370	BODY DEPTH GEBV RELIABILITY	2	N	1337 - 1338			XX
371	BODY DEPTH DGV	3	N	1340 - 1342			-XX
372	BODY DEPTH DGV RELIABILITY	2	N	1344 - 1345			XX
373	BODY DEPTH EBV	3	N	1347 - 1349			-XX
374	BODY DEPTH EBV RELIABILITY	2	N	1351 - 1352			XX
375	BODY DEPTH RELIABILITY CHANGE	2	N	1354 - 1355			XX
376	ANGULARITY GEBV	3	N	1357 - 1359		Angularity	ang
377	ANGULARITY GEBV RELIABILITY	2	N	1361 - 1362			XX
378	ANGULARITY DGV	3	N	1364 - 1366			-XX
379	ANGULARITY DGV RELIABILITY	2	N	1368 - 1369			XX
380	ANGULARITY EBV	3	N	1371 - 1373			-XX
381	ANGULARITY EBV RELIABILITY	2	N	1375 - 1376			XX
382	ANGULARITY RELIABILITY CHANGE	2	N	1378 - 1379			XX
383	DIRECT HERD LIFE (DHL) GEBV	3	N	1381 - 1383		Direct Longevity	dlo
384	DHL GEBV RELIABILITY	2	N	1385 - 1386			XX
385	DHL DGV	3	N	1388 - 1390			XXX
386	DHL DGV RELIABILITY	2	N	1392 - 1393			XX
387	DHL EBV	3	N	1395 - 1397			XXX
388	DHL EBV RELIABILITY	2	N	1399 - 1400			XX
389	DHL RELIABILITY CHANGE	2	N	1402 - 1403			XX
390	INDIRECT HERD LIFE (IHL) GEBV	3	N	1405 - 1407			XXX
391	IHL GEBV RELIABILITY	2	N	1409 - 1410			XX
392	IHL DGV	3	N	1412 - 1414			XXX
393	IHL DGV RELIABILITY	2	N	1416 - 1417			XX
394	IHL EBV	3	N	1419 - 1421			XXX
395	IHL EBV RELIABILITY	2	N	1423 - 1424			XX
396	IHL RELIABILITY CHANGE	2	N	1426 - 1427			XX
397	CLINICAL MASTITIS 1ST LACTATION (CM FIRST) GEBV	3	N	1429 - 1431			XXX
398	CM FIRST GEBV RELIABILITY	2	N	1433 - 1434			XX
399	CM FIRST DGV	3	N	1436 - 1438			XXX
400	CM FIRST DGV RELIABILITY	2	N	1440 - 1441			XX
401	CM FIRST EBV	3	N	1443 - 1445			XXX
402	CM FIRST EBV RELIABILITY	2	N	1447 - 1448			XX
403	CM FIRST RELIABILITY CHANGE	2	N	1450 - 1451			XX
404	CLINICAL MASTITIS LATER LACTATIONS (CM LATER) GEBV	3	N	1453 - 1455			XXX
405	CM LATER GEBV RELIABILITY	2	N	1457 - 1458			XX
406	CM LATER DGV	3	N	1460 - 1462			XXX
407	CM LATER DGV RELIABILITY	2	N	1464 - 1465			XX
408	CM LATER EBV	3	N	1467 - 1469			XXX
409	CM LATER EBV RELIABILITY	2	N	1471 - 1472			XX
410	CM LATER RELIABILITY CHANGE	2	N	1474 - 1475			XX
411	CLINICAL KETOSIS FIRST LACTATION (CK FIRST) GEBV	3	N	1477 - 1479			XXX
412	CK FIRST GEBV RELIABILITY	2	N	1481 - 1482			XX
413	CK FIRST DGV	3	N	1484 - 1486			XXX
414	CK FIRST DGV RELIABILITY	2	N	1488 - 1489			XX
415	CK FIRST EBV	3	N	1491 - 1493			XXX
416	CK FIRST EBV RELIABILITY	2	N	1495 - 1496			XX
417	CK FIRST RELIABILITY CHANGE	2	N	1498 - 1499			XX
418	CLINICAL KETOSIS LATER LACTATIONS (CK LATER) GEBV	3	N	1501 - 1503			XXX
419	CK LATER GEBV RELIABILITY	2	N	1505 - 1506			XX
420	CK LATER DGV	3	N	1508 - 1510			XXX
421	CK LATER DGV RELIABILITY	2	N	1512 - 1513			XX
422	CK LATER EBV	3	N	1515 - 1517			XXX
423	CK LATER EBV RELIABILITY	2	N	1519 - 1520			XX
424	CK LATER RELIABILITY CHANGE	2	N	1522 - 1523			XX
425	SUB-CLINICAL KETOSIS FIRST LACTATION (SCK FIRST) GEBV	3	N	1525 - 1527			XXX
426	SCK FIRST GEBV RELIABILITY	2	N	1529 - 1530			XX
427	SCK FIRST DGV	3	N	1532 - 1534			XXX

**DIRECT GENOMIC VALUE (DGV)
 GENETIC EVALUATION FILE LAYOUT - CSV FORMAT**

<u><i>Field</i></u>	<u><i>Content</i></u>	<u><i>Length</i></u>	<u><i>Type</i></u>	<u><i>Position</i></u>	<u><i>Example</i></u>	<u><i>Interbull Trait</i></u>	<u><i>Interbull code</i></u>
428	SCK FIRST DGV RELIABILITY	2	N	1536 - 1537	XX		
429	SCK FIRST EBV	3	N	1539 - 1541	XXX		
430	SCK FIRST EBV RELIABILITY	2	N	1543 - 1544	XX		
431	SCK FIRST RELIABILITY CHANGE	2	N	1546 - 1547	XX		
432	SUB-CLINICAL KETOSIS LATER LACTATIONS (SCK LATER) GEBV	3	N	1549 - 1551	XXX		
433	SCK LATER GEBV RELIABILITY	2	N	1553 - 1554	XX		
434	SCK LATER DGV	3	N	1556 - 1558	XXX		
435	SCK LATER DGV RELIABILITY	2	N	1560 - 1561	XX		
436	SCK LATER EBV	3	N	1563 - 1565	XXX		
437	SCK LATER EBV RELIABILITY	2	N	1567 - 1568	XX		
438	SCK LATER RELIABILITY CHANGE	2	N	1570 - 1571	XX		
439	DISPLACED ABOMASUM FIRST LACTATION (DA FIRST) GEBV	3	N	1573 - 1575	XXX		
440	DA FIRST GEBV RELIABILITY	2	N	1577 - 1578	XX		
441	DA FIRST DGV	3	N	1580 - 1582	XXX		
442	DA FIRST DGV RELIABILITY	2	N	1584 - 1585	XX		
443	DA FIRST EBV	3	N	1587 - 1589	XXX		
444	DA FIRST EBV RELIABILITY	2	N	1591 - 1592	XX		
445	DA FIRST RELIABILITY CHANGE	2	N	1594 - 1595	XX		
446	DISPLACED ABOMASUM LATER LACTATIONS (DA LATER) GEBV	3	N	1597 - 1599	XXX		
447	DA LATER GEBV RELIABILITY	2	N	1601 - 1602	XX		
448	DA LATER DGV	3	N	1604 - 1606	XXX		
449	DA LATER DGV RELIABILITY	2	N	1608 - 1609	XX		
450	DA LATER EBV	3	N	1611 - 1613	XXX		
451	DA LATER EBV RELIABILITY	2	N	1615 - 1616	XX		
452	DA LATER RELIABILITY CHANGE	2	N	1618 - 1619	XX		
453	NRR-HEIFERS GEBV	3	N	1621 - 1623	XXX	Heifer Conception	hco
454	NRR-HEIFERS GEBV RELIABILITY	2	N	1625 - 1626	XX		
455	NRR-HEIFERS DGV	3	N	1628 - 1630	XXX		
456	NRR-HEIFERS DGV RELIABILITY	2	N	1632 - 1633	XX		
457	NRR-HEIFERS EBV	3	N	1635 - 1637	XXX		
458	NRR-HEIFERS EBV RELIABILITY	2	N	1639 - 1640	XX		
459	NRR-HEIFERS RELIABILITY CHANGE	2	N	1642 - 1643	XX		
460	NRR-COWS GEBV	3	N	1645 - 1647	XXX	Cow Conception 1	cc1
461	NRR-COWS GEBV RELIABILITY	2	N	1649 - 1650	XX		
462	NRR-COWS DGV	3	N	1652 - 1654	XXX		
463	NRR-COWS DGV RELIABILITY	2	N	1656 - 1657	XX		
464	NRR-COWS EBV	3	N	1659 - 1661	XXX		
465	NRR-COWS EBV RELIABILITY	2	N	1663 - 1664	XX		
466	NRR-COWS RELIABILITY CHANGE	2	N	1666 - 1667	XX		
467	CALVING TO FIRST SERVICE (CTFS) GEBV	3	N	1669 - 1671	XXX	Cow Re-cycling	crc
468	CTFS GEBV RELIABILITY	2	N	1673 - 1674	XX		
469	CTFS DGV	3	N	1676 - 1678	XXX		
470	CTFS DGV RELIABILITY	2	N	1680 - 1681	XX		
471	CTFS EBV	3	N	1683 - 1685	XXX		
472	CTFS EBV RELIABILITY	2	N	1687 - 1688	XX		
473	CTFS RELIABILITY CHANGE	2	N	1690 - 1691	XX		
474	FIRST SERVICE TO CONCEPTION-COWS (FSTC-C) GEBV	3	N	1693 - 1695	XXX	Cow Conception 2	cc2
475	FSTC-C GEBV RELIABILITY	2	N	1697 - 1698	XX		
476	FSTC-C DGV	3	N	1700 - 1702	XXX		
477	FSTC-C DGV RELIABILITY	2	N	1704 - 1705	XX		
478	FSTC-C EBV	3	N	1707 - 1709	XXX		
479	FSTC-C EBV RELIABILITY	2	N	1711 - 1712	XX		
480	FSTC-C RELIABILITY CHANGE	2	N	1714 - 1715	XX		
481	DAYS OPEN (DO) GEBV	3	N	1717 - 1719	XXX	Cow Interval Measures	int
482	DO GEBV RELIABILITY	2	N	1721 - 1722	XX		
483	DO DGV	3	N	1724 - 1726	XXX		
484	DO DGV RELIABILITY	2	N	1728 - 1729	XX		
485	DO EBV	3	N	1731 - 1733	XXX		
486	DO EBV RELIABILITY	2	N	1735 - 1736	XX		
487	DO RELIABILITY CHANGE	2	N	1738 - 1739	XX		
488	AGE AT FIRST SERVICE (AFS) GEBV	3	N	1741 - 1743	XXX		
489	AFS GEBV RELIABILITY	2	N	1745 - 1746	XX		
490	AFS DGV	3	N	1748 - 1750	XXX		
491	AFS DGV RELIABILITY	2	N	1752 - 1753	XX		
492	AFS EBV	3	N	1755 - 1757	XXX		
493	AFS EBV RELIABILITY	2	N	1759 - 1760	XX		
494	AFS RELIABILITY CHANGE	2	N	1762 - 1763	XX		
495	FIRST SERVICE TO CONCEPTION-HEIFERS (FSTC-H) GEBV	3	N	1765 - 1767	XXX		
496	FSTC-H GEBV RELIABILITY	2	N	1769 - 1770	XX		
497	FSTC-H DGV	3	N	1772 - 1774	XXX		
498	FSTC-H DGV RELIABILITY	2	N	1776 - 1777	XX		
499	FSTC-H EBV	3	N	1779 - 1781	XXX		
500	FSTC-H EBV RELIABILITY	2	N	1783 - 1784	XX		
501	FSTC-H RELIABILITY CHANGE	2	N	1786 - 1787	XX		
502	DIRECT CALVING EASE-PROGENY BORN FROM HEIFERS (DCE-H) GEBV	3	N	1789 - 1791	XXX	Direct Calving Ease	dce
503	DCE-H GEBV RELIABILITY	2	N	1793 - 1794	XX		
504	DCE-H DGV	3	N	1796 - 1798	XXX		
505	DCE-H DGV RELIABILITY	2	N	1800 - 1801	XX		
506	DCE-H EBV	3	N	1803 - 1805	XXX		
507	DCE-H EBV RELIABILITY	2	N	1807 - 1808	XX		
508	DCE-H RELIABILITY CHANGE	2	N	1810 - 1811	XX		
509	DIRECT CALF SURVIVAL-PROGENY BORN FROM HEIFERS (DCS-H) GEBV	3	N	1813 - 1815	XXX	Direct Stillbirth	dsb
510	DCS-H GEBV RELIABILITY	2	N	1817 - 1818	XX		
511	DCS-H DGV	3	N	1820 - 1822	XXX		
512	DCS-H DGV RELIABILITY	2	N	1824 - 1825	XX		
513	DCS-H EBV	3	N	1827 - 1829	XXX		
514	DCS-H EBV RELIABILITY	2	N	1831 - 1832	XX		
515	DCS-H RELIABILITY CHANGE	2	N	1834 - 1835	XX		
516	DIRECT CALVING EASE-PROGENY BORN FROM COWS (DCE-C) GEBV	3	N	1837 - 1839	XXX		
517	DCE-C GEBV RELIABILITY	2	N	1841 - 1842	XX		
518	DCE-C DGV	3	N	1844 - 1846	XXX		
519	DCE-C DGV RELIABILITY	2	N	1848 - 1849	XX		
520	DCE-C EBV	3	N	1851 - 1853	XXX		
521	DCE-C EBV RELIABILITY	2	N	1855 - 1856	XX		
522	DCE-C RELIABILITY CHANGE	2	N	1858 - 1859	XX		
523	DIRECT CALF SURVIVAL-PROGENY BORN FROM COWS (DCS-C) GEBV	3	N	1861 - 1863	XXX		
524	DCS-C GEBV RELIABILITY	2	N	1865 - 1866	XX		
525	DCS-C DGV	3	N	1868 - 1870	XXX		
526	DCS-C DGV RELIABILITY	2	N	1872 - 1873	XX		
527	DCS-C EBV	3	N	1875 - 1877	XXX		
528	DCS-C EBV RELIABILITY	2	N	1879 - 1880	XX		
529	DCS-C RELIABILITY CHANGE	2	N	1882 - 1883	XX		
530	CALVING EASE OF DAUGHTERS-FIRST CALVING (MCE-FIRST) GEBV	3	N	1885 - 1887	XXX	Maternal Calving Ease	mce
531	MCE-FIRST GEBV RELIABILITY	2	N	1889 - 1890	XX		
532	MCE-FIRST DGV	3	N	1892 - 1894	XXX		
533	MCE-FIRST DGV RELIABILITY	2	N	1896 - 1897	XX		
534	MCE-FIRST EBV	3	N	1899 - 1901	XXX		

**DIRECT GENOMIC VALUE (DGV)
 GENETIC EVALUATION FILE LAYOUT - CSV FORMAT**

<u>Field</u>	<u>Content</u>	<u>Length</u>	<u>Type</u>	<u>Position</u>	<u>Example</u>	<u>Interbull Trait</u>	<u>Interbull code</u>
535	MCE-FIRST EBV RELIABILITY	2	N	1903 - 1904	XX		
536	MCE-FIRST RELIABILITY CHANGE	2	N	1906 - 1907	XX		
537	CALF SURVIVAL AT DAUGHTERS' FIRST CALVING (MCS-FIRST) GEBV	3	N	1909 - 1911	XXX	Maternal Stillbirth	msb
538	MCS-FIRST GEBV RELIABILITY	2	N	1913 - 1914	XX		
539	MCS-FIRST DGV	3	N	1916 - 1918	XXX		
540	MCS-FIRST DGV RELIABILITY	2	N	1920 - 1921	XX		
541	MCS-FIRST EBV	3	N	1923 - 1925	XXX		
542	MCS-FIRST EBV RELIABILITY	2	N	1927 - 1928	XX		
543	MCS-FIRST RELIABILITY CHANGE	2	N	1930 - 1931	XX		
544	CALVING EASE OF DAUGHTERS' LATER CALVINGS (MCE-LATER) GEBV	3	N	1933 - 1935	XXX		
545	MCE-LATER GEBV RELIABILITY	2	N	1937 - 1938	XX		
546	MCE-LATER DGV	3	N	1940 - 1942	XXX		
547	MCE-LATER DGV RELIABILITY	2	N	1944 - 1945	XX		
548	MCE-LATER EBV	3	N	1947 - 1949	XXX		
549	MCE-LATER EBV RELIABILITY	2	N	1951 - 1952	XX		
550	MCE-LATER RELIABILITY CHANGE	2	N	1954 - 1955	XX		
551	CALF SURVIVAL AT DAUGHTERS' LATER CALVINGS (MCS-LATER) GEBV	3	N	1957 - 1959	XXX		
552	MCS-LATER GEBV RELIABILITY	2	N	1961 - 1962	XX		
553	MCS-LATER DGV	3	N	1964 - 1966	XXX		
554	MCS-LATER DGV RELIABILITY	2	N	1968 - 1969	XX		
555	MCS-LATER EBV	3	N	1971 - 1973	XXX		
556	MCS-LATER EBV RELIABILITY	2	N	1975 - 1976	XX		
557	MCS-LATER RELIABILITY CHANGE	2	N	1978 - 1979	XX		
558	DIRECT GESTATION LENGTH-PROGENY BORN FROM HEIFERS (DGL-H) G	3	N	1981 - 1983	XXX		
559	DGL-H GEBV RELIABILITY	2	N	1985 - 1986	XX		
560	DGL-H DGV	3	N	1988 - 1990	XXX		
561	DGL-H DGV RELIABILITY	2	N	1992 - 1993	XX		
562	DGL-H EBV	3	N	1995 - 1997	XXX		
563	DGL-H EBV RELIABILITY	2	N	1999 - 2000	XX		
564	DGL-H RELIABILITY CHANGE	2	N	2002 - 2003	XX		
565	DIRECT GESTATION LENGTH-PROGENY BORN FROM COWS (DGL-C) GEBV	3	N	2005 - 2007	XXX		
566	DGL-C GEBV RELIABILITY	2	N	2009 - 2010	XX		
567	DGL-C DGV	3	N	2012 - 2014	XXX		
568	DGL-C DGV RELIABILITY	2	N	2016 - 2017	XX		
569	DGL-C EBV	3	N	2019 - 2021	XXX		
570	DGL-C EBV RELIABILITY	2	N	2023 - 2024	XX		
571	DGL-C RELIABILITY CHANGE	2	N	2026 - 2027	XX		
572	RELEASE DATE	8	D	2029 - 2036	20140116		

FIELD CODES:

A/N ALPHANUMERIC FIELD
 D DATE FIELD(YYYYMMDD)
 N NUMERIC FIELD

GENERAL: FIELDS WITH MISSING VALUES ARE SET TO -999 AND ARE NOT LEFT BLANK.
 THE LENGTH OF THE FIELD WILL DICTATE THE NUMBER OF "9" PLACEHOLDERS

CSV - FIXED LENGTH RECORD. END OF RECORD CONTAINS ','

REGISTRATION NUMBER

FIELD MADE UP OF FOUR COMPONENTS: BREED CODE(2), COUNTRY CODE(3), SEX CODE(1), REGISTRATION NUMBER(12)

CODES:

SEE "DATA EXCHANGE SYSTEM CODES - BREED AND NATION CODES"
 CDN Website - Data Files - Layouts

REGISTRATION NUMBER:

12 DIGIT ALPHANUMERIC FIELD THAT CONTAINS THE UNIQUE IDENTIFICATION NUMBER ASSIGNED TO THE ANIMAL
 BY THE RESPECTIVE BREED ASSOCIATION. THE REGISTRATION NUMBER WILL BE LEFT JUSTIFIED IN THE FIELD.

NOTE 1: 0 UNOFFICIAL - BULLS ONLY (PRELIMINARY PROOF)

1 OFFICIAL
 2 PARENT AVERAGE / PEDIGREE INDEX
 3 MACE
 5 INTERNATIONAL GENOMIC INDEX (IGI)

NOTE 2: THE FIELD CONTAINS A VALUE WITH 2 DECIMAL PLACES.
 THE ACTUAL "." CHARACTER IS STORED IN THE FILE

NOTE 3: ALPHA CODES ARE INCLUDED IN THE FILE AS AN ALPHA CHARACTER AND DO NOT REQUIRE DECODING

ALPHA CHARACTER DESCRIPTIONS REMAIN UNCHANGED FROM PREVIOUS DESCRIPTIONS:
 RUMP ANGLE CODES: H < 0, L > 0
 THURL PLACEMENT CODES: B < 0, A > 0
 REAR LEGS SIDE VIEW CODES: S < 0, C > 0
 UDDER DEPTH CODES: D < 0, S > 0
 FRONT TEAT LENGTH CODES: S < 0, L > 0
 FRONT TEAT PLACEMENT AND REAR TEAT PLACEMENT CODES: W < 0, C > 0

NOTE 4: LD LOW DENSITY (LESS THAN 50K)
 MD MEDIUM DENSITY (50K OR HIGHER BUT NOT HD)
 HD HIGH DENSITY (600K OR HIGHER)