

## Genomic Breeding Values for Murrah buffalo bulls

**Trait: 305 Day Milk Yield**

**Species: Buffalo**

**Breed: Murrah**

**Date of estimation: 9 December 2025**

Sr. No	Bull ID	Semen Station (Source)	Date of Birth	No of Daughters used in analysis	No of records used for analysis	GBV MY	REL %
1	ABC-SM-914	ABC Salon	04-03-2015	29	205	650.54	79.79
2	SAG-MR-10530	SAG Bidaj	08-05-2015	39	219	550.75	83.35
3	SAG-MR-10535	SAG Bidaj	09-10-2015	34	159	517.4	80.21
4	RHR-MR-50138	Rahuri SS	19-07-2015	58	498	497.55	87.57
5	SAG-BM-241	SAG Bidaj	28-10-2002	194	1766	481.52	96.25
6	ABC-SM-639	ABC Salon	16-03-2013	13	114	471.17	69.13
7	HIS-M-416	FROSEN SEMEN BANK, HISSAR	29-04-2014	40	293	425.21	84.81
8	GUR-MR-257	FROSEN SEMEN BANK, GURGAON.	20-08-2008	50	441	418.09	87.22
9	SAG-MR-10537	SAG Bidaj	11-09-2015	19	95	403.51	72.26
10	SAG-MR-10450	SAG Bidaj	05-12-2013	71	611	390.42	90.14
11	RHR-MR-50144	Rahuri SS	11-11-2015	47	384	385.26	85.78
12	SAG-MR-10448	SAG Bidaj	28-09-2013	68	559	382.92	89.99
13	RHR-MR-50038	Rahuri SS	15-06-2013	47	377	377.18	85.36
14	SAG-MR-10426	SAG Bidaj	08-07-2012	99	866	371.42	92.78
15	SAG-MR-10509	SAG Bidaj	14-12-2014	55	371	370.12	87.12
16	ALM-MR-40093	ALAMADHI SEMEN STATION	05-01-2014	66	495	356.61	88.76
17	SAG-BM-392	SAG Bidaj	01-08-2011	101	910	355.49	92.52
18	SAG-MR-10437	SAG Bidaj	01-08-2014	71	584	351.04	90.18
19	BAS-MB150	FROSEN SEMEN BANK, BASSI.	17-11-2008	13	156	345.64	67.97
20	SAG-BM-381	SAG Bidaj	14-10-2010	90	820	344.21	91.81
21	ABC-SM-905	ABC Salon	17-09-2014	25	188	342.61	76.52

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22	HBR-194486	HISAR BOVINE SPERM STATION, HARYANA	02-10-2015	48	339	327.59	86.54
23	SAG-BM-60	SAG Bidaj	19-10-1990	39	306	325.12	86.06
24	SAG-MR-10517	SAG Bidaj	10-08-2014	52	347	323.27	87.22
25	SAG-BM-68	SAG Bidaj	03-05-1992	10	70	321.8	61.57
26	ABC-MR-21105	ABC Salon	20-11-2016	14	112	315.82	70.89
27	SAG-MR-10518	SAG Bidaj	22-07-2014	61	454	309.76	88.57
28	SAG-BM-74	SAG Bidaj	10-06-1994	16	112	307.2	70.22
29	SAG-MR-10418	SAG Bidaj	19-12-2012	81	674	303.23	90.91
30	ABC-SM-410	ABC Salon	05-10-2008	30	266	293.08	82.09
31	SAG-BM-388	SAG Bidaj	09-01-2011	78	713	291.45	90.88
32	ABC-SM-932	ABC Salon	03-11-2014	17	129	291.04	73.14
33	ABC-SM-406	ABC Salon	02-08-2008	57	481	290.87	88.52
34	SAG-MR-10467	SAG Bidaj	08-08-2014	77	620	289.87	91.12
35	SAG-MR-10548	SAG Bidaj	21-09-2015	21	99	287.83	73.49
36	HIS-147010	FROSEN SEMEN BANK, HISSAR	22-12-2013	13	124	284.9	67.3
37	SAG-MR-10483	SAG Bidaj	18-09-2014	62	442	282.51	88.17
38	ABC-SM-615	ABC Salon	14-11-2011	31	264	279.54	83.6
39	SAG-MR-10481	SAG Bidaj	01-11-2014	86	630	277.59	92.02
40	SAG-MR-10425	SAG Bidaj	09-03-2012	87	757	275.74	91.99
41	SAG-BM-73	SAG Bidaj	18-04-1994	18	137	268.71	72.27
42	HIS-PC-476	FROSEN SEMEN BANK, HISSAR	23-07-2008	31	278	268.21	83.97
43	SAG-MR-10506	SAG Bidaj	06-03-2015	14	68	266.3	68.15
44	SAG-MR-10480	SAG Bidaj	25-09-2014	46	370	260.24	86.14
45	SAG-BM-136	SAG Bidaj	20-06-1996	59	531	259.03	88.71
46	SAG-MR-10434	SAG Bidaj	12-11-2011	83	704	258.53	91.51

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47	RHR-MR-50036	Rahuri SS	25-09-2013	44	342	256.2	85.37
48	NBH-MAGIC	FSBS, NABHA	09-09-2012	45	405	254.45	86.4
49	HBR-MBF-404626	HISAR BOVINE SPERM STATION, HARYANA	24-01-2015	17	110	253.37	69.58
50	SAG-MR-10435	SAG Bidaj	13-07-2013	82	774	248.77	91.85
51	NBH-MIRAJ	FSBS, NABHA	01-07-2012	44	395	244.94	87.19
52	ROH-RM-004	ROHTAK SEMEN STATION, ROHTAK	09-09-2010	90	775	244.65	92.56
53	SAG-MR-10508	SAG Bidaj	15-05-2015	60	384	243.5	87.89
54	SAG-MR-10489	SAG Bidaj	02-07-2015	52	352	243.01	86.57
55	HIS-458-M	FROSEN SEMEN BANK, HISSAR	05-07-2015	23	159	241.57	75.16
56	SAG-BM-80	SAG Bidaj	09-04-1994	14	105	241.4	67.23
57	SAG-BM-131	SAG Bidaj	22-07-1996	56	526	240.88	89.16
58	ABC-SM-972	ABC Salon	13-07-2015	10	64	240.53	65.38
59	RHR-MR-50134	Rahuri SS	21-09-2013	47	405	238.75	86.8
60	SAG-MR-10476	SAG Bidaj	07-09-2014	85	660	236.62	91.83
61	SAG-MR-10485	SAG Bidaj	11-03-2015	51	313	232.49	85.52
62	ABC-SM-931	ABC Salon	27-10-2014	35	256	229.11	83.21
63	SAG-MR-10469	SAG Bidaj	03-08-2014	63	441	227.09	88.82
64	SAG-MR-10439	SAG Bidaj	31-01-2014	63	549	223.44	90.05
65	HIS-300305	FROSEN SEMEN BANK, HISSAR	03-09-2014	14	141	217.39	69.08
66	SAG-BM-260	SAG Bidaj	01-12-2004	221	1977	215.79	96.65
67	ALM-MR-40092	ALAMADHI SEMEN STATION	01-08-2013	41	351	212.71	84.96
68	SAG-BM-48	SAG Bidaj	23-01-1989	23	174	210.34	76.25
69	ABC-SM-667	ABC Salon	11-06-2013	78	656	203.21	91.1
70	ABC-SM-908	ABC Salon	09-11-2014	24	185	202.7	76.06

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71	SAG-BM-376	SAG Bidaj	08-10-2010	86	772	199.65	91.38
72	SAG-HEERA	SAG Bidaj	09-09-2012	57	519	198.71	89.46
73	ABC-SM-382	ABC Salon	18-06-2007	24	212	198.09	78.41
74	ALM-MR-40101	ALAMADHI SEMEN STATION	20-07-2013	31	244	198.03	79.85
75	ROP-MOIN	FSS,ROPAR	04-11-2012	41	342	197.74	84.99
76	SAG-BM-228	SAG Bidaj	02-09-2002	43	390	195.18	85.27
77	SAG-MR-10510	SAG Bidaj	01-05-2015	57	371	193	87.69
78	ABC-SM-709	ABC Salon	25-09-2012	68	609	191.77	90.7
79	SAG-BM-307	SAG Bidaj	25-12-2007	145	1328	191.13	95.35
80	HIS-M-466	FROSEN SEMEN BANK, HISSAR	14-08-2015	68	474	187.71	88.97
81	SAG-BM-236	SAG Bidaj	08-08-2003	255	2214	187.51	97.09
82	SAG-MR-10511	SAG Bidaj	10-02-2015	34	207	187.1	80.89
83	HIS-588051	FROSEN SEMEN BANK, HISSAR	13-08-2015	10	64	186.39	65.83
84	SAG-BM-271	SAG Bidaj	29-08-2004	101	1002	185.98	93.66
85	SAG-MR-10490	SAG Bidaj	06-11-2015	10	52	183.2	62.37
86	SAG-MR-10459	SAG Bidaj	25-06-2014	74	669	181.45	90.95
87	SAG-MR-10565	SAG Bidaj	23-12-2015	11	52	179.97	65.59
88	RHR-MR-50044	Rahuri SS	12-12-2014	62	523	175.25	88.94
89	SAG-BM-58	SAG Bidaj	04-07-1990	10	69	173.48	61.01
90	SAG-MR-10488	SAG Bidaj	01-09-2014	58	341	173.33	87.13
91	SAG-BM-297	SAG Bidaj	13-04-2006	149	1452	173.29	95.51
92	SAG-MR-10516	SAG Bidaj	04-10-2014	23	136	172.08	74.8
93	HIS-8864	FROSEN SEMEN BANK, HISSAR	05-12-2010	33	313	171.5	84.59
94	HIS-312634	FROSEN SEMEN BANK, HISSAR	05-12-2010	74	685	171.46	91.61

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95	ALM-MR-40162	ALAMADHI SEMEN STATION	09-09-2013	55	485	170.74	87.52
96	SAG-BM-401	SAG Bidaj	20-08-2011	79	754	170.65	91.06
97	SAG-BM-409	SAG Bidaj	20-12-2011	68	617	166.67	89.38
98	NBH-MONU	FSBS, NABHA	27-10-2012	46	424	164.24	87.98
99	SAG-MR-10556	SAG Bidaj	02-12-2015	14	70	164.17	67.74
100	SAG-BM-333	SAG Bidaj	03-06-2008	115	1104	164.03	94.04
101	SAG-MR-10441	SAG Bidaj	05-09-2012	68	610	163.76	90.34
102	SAG-MR-10470	SAG Bidaj	15-10-2014	80	686	163.63	91.46
103	ALM-MR-40059	ALAMADHI SEMEN STATION	02-02-2013	45	362	162.18	86.3
104	SAG-BM-248	SAG Bidaj	22-09-2004	115	1129	161.24	94.26
105	ABC-SM-971	ABC Salon	24-07-2015	37	244	158.82	82.62
106	SAG-BM-347	SAG Bidaj	09-10-2009	165	1499	157.4	96.22
107	RHR-MR-50042	Rahuri SS	26-07-2014	39	327	155.15	83.38
108	SAG-BM-81	SAG Bidaj	09-06-1994	16	114	153.58	69.92
109	SAG-BM-45	SAG Bidaj	20-11-1988	21	175	152.81	77.23
110	NBH-MICKEY	FSBS, NABHA	15-07-2012	19	153	152.67	72.62
111	SAG-MR-10563	SAG Bidaj	01-08-2015	20	91	151.58	73.93
112	SAG-BM-377	SAG Bidaj	21-10-2011	118	1061	150.07	93.83
113	SAG-MR-10420	SAG Bidaj	22-08-2012	85	770	149.98	91.45
114	ABC-SM-358	ABC Salon	21-10-2007	62	556	148.99	89.48
115	SAG-BM-75	SAG Bidaj	28-02-1994	17	105	147.16	69.85
116	ABC-SM-327	ABC Salon	07-04-2007	44	399	146.69	85.83
117	HIS-PC-574	FROSEN SEMEN BANK, HISSAR	11-11-2009	224	2043	146.18	96.71
118	JAG-MR-121868	FROSEN SEMEN BANK, JAGADHRI.	15-01-2010	28	270	145.64	80.06
119	ABC-SM-646	ABC Salon	18-11-2012	46	389	141.88	87.44

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120	GUR-MR-81536	FROSEN SEMEN BANK, GURGAON.	10-12-2012	49	404	140.77	87.09
121	ABC-SM-686	ABC Salon	13-01-2013	56	496	140.62	89.49
122	SAG-BM-372	SAG Bidaj	03-11-2010	113	1045	140.55	93.39
123	ROP-MELODY	FSS,ROPAR	01-01-2010	56	491	140.27	89.28
124	NBH-MASTANA	FSBS, NABHA	28-08-2007	29	255	140.1	81.49
125	SAG-MR-10555	SAG Bidaj	14-12-2015	17	82	139.57	69.94
126	ABC-SM-590	ABC Salon	27-10-2012	60	476	134.46	89.51
127	SAG-BM-56	SAG Bidaj	29-07-1992	16	134	132.12	70.41
128	ROH-RM-016	ROHTAK SEMEN STATION, ROHTAK	20-09-2010	78	721	130.67	91.25
129	ABC-SM-610	ABC Salon	12-11-2011	38	334	130.62	85.3
130	ABC-MR-21157	ABC Salon	20-09-2017	18	100	129.74	70.21
131	SAG-BM-342	SAG Bidaj	09-11-2009	108	1016	129.54	94.15
132	ABC-SM-664	ABC Salon	01-07-2013	24	207	128.88	79.73
133	RHR-MR-50040	Rahuri SS	10-09-2012	68	528	128.2	88.94
134	SAG-MR-10466	SAG Bidaj	23-08-2014	99	774	128.18	92.61
135	HBR-300305	HISAR BOVINE SPERM STATION, HARYANA	03-09-2014	10	52	126.96	60.92
136	GUR-370733	FROSEN SEMEN BANK, GURGAON.	14-10-2009	21	174	126.91	74.47
137	SAG-BM-85	SAG Bidaj	18-03-1994	11	65	124.91	62.16
138	ABC-SM-645	ABC Salon	20-01-2013	57	461	124	89.31
139	NBH-MANALI	FSBS, NABHA	04-08-2011	30	254	122.27	81.03
140	SAG-BM-88	SAG Bidaj	24-10-1994	11	81	121.78	63.78
141	NBH-MASTER	FSBS, NABHA	29-09-2007	30	306	120.76	84.04
142	ALM-MR-40102	ALAMADHI SEMEN STATION	05-01-2014	46	370	118.82	85.49
143	JAG-MR-73056	FROSEN SEMEN	12-03-2012	74	655	117.56	90.03

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		BANK, JAGADHRI.					
144	SAG-MR-10501	SAG Bidaj	02-04-2015	18	87	115.95	71.33
145	HBR-147010	HISAR BOVINE SPERM STATION, HARYANA	22-12-2013	16	117	114.29	70.35
146	ROP-MIAN	FSS,ROPAR	21-07-2009	47	421	113.54	88.19
147	SAG-MR-10570	SAG Bidaj	14-08-2016	11	57	113.25	68.71
148	ABC-SM-701	ABC Salon	06-08-2012	75	610	109.84	91.12
149	ABC-SM-609	ABC Salon	19-10-2011	34	293	109.31	85.46
150	ABC-SM-620	ABC Salon	03-07-2012	58	492	109.06	90.07
151	SAG-MR-10551	SAG Bidaj	03-07-2015	25	120	108.32	76.83
152	NBH-MALIK	FSBS, NABHA	01-09-2012	25	235	107.57	80.82
153	ROP-MAINA	FSS,ROPAR	01-01-2011	32	271	107.41	82.02
154	ABC-SM-886	ABC Salon	20-08-2014	19	141	107.4	72.37
155	ABC-SM-462	ABC Salon	04-11-2009	33	273	106.38	82.7
156	SAG-MR-10558	SAG Bidaj	10-01-2016	11	53	105.27	60.31
157	ALM-MR-40095	ALAMADHI SEMEN STATION	01-07-2013	69	561	104.61	90.22
158	SAG-MR-10471	SAG Bidaj	11-02-2015	76	691	103.8	90.78
159	SAG-BM-402	SAG Bidaj	06-09-2011	70	614	103.13	90.57
160	ROP-MAX	FSS,ROPAR	05-11-2009	47	434	102.71	88.66
161	SAG-BM-398	SAG Bidaj	15-11-2011	114	1007	102.35	93.45
162	ABC-SM-592	ABC Salon	21-01-2012	57	481	101.73	89.37
163	SAG-BM-362	SAG Bidaj	26-08-2010	98	914	98.87	92.93
164	NBH-MOR	FSBS, NABHA	05-11-2011	34	289	96.44	83.73
165	SAG-BM-108	SAG Bidaj	20-10-1993	19	167	96.4	72.85
166	HIS-MR-1029	FROSEN SEMEN BANK, HISSAR	08-02-2011	126	1078	96.2	94.44
167	SAG-MR-10455	SAG Bidaj	27-11-2013	47	276	95.44	85.52
168	HIS-118085	FROSEN SEMEN	24-12-2015	10	67	95.38	67.87

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		BANK, HISSAR					
169	SAG-MR-10493	SAG Bidaj	26-07-2015	54	388	94.36	87.47
170	SAG-BM-42	SAG Bidaj	25-10-1987	62	585	92.93	91.44
171	SAG-MR-10499	SAG Bidaj	05-03-2015	39	236	92.25	83.36
172	SAG-BM-123	SAG Bidaj	17-05-1996	12	97	91.36	65.3
173	ABC-SM-354	ABC Salon	11-01-2007	69	594	90.8	90.03
174	SAG-BM-396	SAG Bidaj	25-07-2011	82	747	89.1	91.02
175	SAG-BM-242	SAG Bidaj	18-08-2003	95	927	88.89	93.07
176	ABC-SM-355	ABC Salon	15-09-2007	36	316	88.04	84.66
177	SAG-BM-246	SAG Bidaj	01-09-2003	75	728	87	91.89
178	GUR-PC-467	FROSEN SEMEN BANK, GURGAON.	15-08-2008	31	253	81.87	81.1
179	GUR-PC-1071	FROSEN SEMEN BANK, GURGAON.	20-07-2010	34	332	81.57	83.98
180	HIS-590183	FROSEN SEMEN BANK, HISSAR	11-04-2015	12	103	80.67	69.23
181	SAG-BM-163	SAG Bidaj	05-09-1997	12	120	77.86	65.26
182	RHR-MR-50199	Rahuri SS	14-03-2015	12	61	77.64	62.31
183	HIS-102699	FROSEN SEMEN BANK, HISSAR	04-11-2012	201	1782	76.87	96.33
184	SAG-BM-47	SAG Bidaj	25-12-1988	27	227	76.1	86.04
185	HIS-MR-321	FROSEN SEMEN BANK, HISSAR	25-12-2011	87	764	75.48	92.28
186	ROP-MILANO	FSS,ROPAR	09-09-2009	59	500	73.63	90.17
187	ABC-SM-967	ABC Salon	13-06-2014	25	186	73.31	76.82
188	SAG-BM-272	SAG Bidaj	02-10-2004	119	1117	71.51	94.59
189	NBH-MULLA	FSBS, NABHA	20-08-2008	158	1313	70.45	95.76
190	SAG-MR-10444	SAG Bidaj	23-10-2011	60	419	70.07	88.13
191	SAG-MR-10423	SAG Bidaj	07-03-2011	88	833	68.15	91.95

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192	SAG-BM-72	SAG Bidaj	29-03-1994	41	323	67.33	84.96
193	SAG-BM-141	SAG Bidaj	14-09-1996	38	311	66.01	83.76
194	ABC-SM-398	ABC Salon	16-11-2007	52	457	65.01	88.12
195	SAG-MR-10411	SAG Bidaj	08-07-2011	97	904	64.7	92.46
196	HIS-138404	FROSEN SEMEN BANK, HISSAR	02-08-2009	15	141	64.33	70.2
197	SAG-BM-306	SAG Bidaj	29-06-2003	44	443	64.31	87.77
198	NBH-MESSY	FSBS, NABHA	10-12-2011	54	496	63.6	89.71
199	SAG-MR-10533	SAG Bidaj	06-11-2015	26	150	62.97	77.46
200	SAG-BM-317	SAG Bidaj	29-09-2007	90	864	62.95	93.05
201	SAG-MR-10475	SAG Bidaj	30-09-2014	69	595	62.76	90.29
202	ROH-RM-007	ROHTAK SEMEN STATION, ROHTAK	14-08-2010	97	921	61.99	92.93
203	SAG-MR-10449	SAG Bidaj	09-10-2013	71	573	60.3	90.57
204	SAG-SM-517	ABC Salon	03-01-2011	53	457	60.24	88.25
205	ABC-SM-641	ABC Salon	18-12-2012	34	273	60.02	81.97
206	ABC-MR-21143	ABC Salon	23-07-2017	10	67	59.69	68.68
207	SAG-MR-10525	SAG Bidaj	20-09-2014	18	87	59.42	68.76
208	NBH-MOONGA	FSBS, NABHA	27-07-2009	39	329	59.04	85.34
209	SAG-MR-10479	SAG Bidaj	13-10-2014	67	488	58.8	89.14
210	HIS-M-384	FROSEN SEMEN BANK, HISSAR	06-07-2013	64	497	58.26	89.54
211	SAG-BM-59	SAG Bidaj	01-01-1990	27	198	58.21	77.55
212	SAG-BM-33	SAG Bidaj	03-09-1984	11	80	57.57	69.49
213	NBH-MAST	FSBS, NABHA	07-07-2011	48	458	55.94	88.72
214	NBH-MOTI	FSBS, NABHA	07-01-2011	38	303	55.61	85.79
215	ABC-SM-707	ABC Salon	16-09-2012	39	346	55.6	84.86
216	HIS-476-M	FROSEN SEMEN	21-09-2015	13	94	55.29	68.81

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		BANK, HISSAR					
217	HIS-PC-843	FROSEN SEMEN BANK, HISSAR	01-11-2010	24	214	54.5	77.83
218	SAG-MR-10431	SAG Bidaj	08-08-2012	93	814	53.93	92.12
219	ABC-SM-659	ABC Salon	24-08-2012	21	193	53.46	79.27
220	SAG-MR-10410	SAG Bidaj	25-10-2011	98	857	51.28	92.44
221	SAG-MR-10428	SAG Bidaj	25-11-2011	87	782	50.58	92.11
222	SAG-BM-373	SAG Bidaj	06-07-2010	90	818	48.97	91.74
223	RHR-MR-50037	Rahuri SS	20-07-2013	45	330	48.29	84.36
224	ABC-SM-968	ABC Salon	11-09-2015	20	168	48.25	75.9
225	ROH-RM-013	ROHTAK SEMEN STATION, ROHTAK	20-08-2010	106	945	48.21	93.72
226	ABC-SM-493	ABC Salon	20-09-2009	42	385	46.86	86.48
227	NBH-MACK	FSBS, NABHA	28-09-2012	19	166	46.53	73.53
228	SAG-BM-234	SAG Bidaj	14-11-2002	10	101	45.75	63.03
229	SAG-BM-98	SAG Bidaj	13-05-1995	15	84	45.53	66.72
230	SAG-BM-142	SAG Bidaj	15-09-1996	12	113	45.43	65.52
231	SAG-MR-10440	SAG Bidaj	15-09-2013	95	785	44.11	92.5
232	SAG-MR-10494	SAG Bidaj	06-09-2014	26	122	43.3	78.74
233	NBH-MAGNET	FSBS, NABHA	11-10-2009	56	456	42.72	89.48
234	SAG-MR-10484	SAG Bidaj	14-02-2014	44	343	42.56	85.57
235	SAG-MR-10460	SAG Bidaj	15-10-2014	47	316	42.06	85.69
236	SAG-BM-54	SAG Bidaj	18-12-1991	24	175	40.63	76.6
237	NBH-MEDAL	FSBS, NABHA	16-10-2009	89	730	40.43	92.64
238	SAG-BM-331	SAG Bidaj	21-01-2009	75	709	40.08	92.24
239	SAG-BM-337	SAG Bidaj	12-10-2008	12	110	39.94	64.65
240	HIS-PC-1942	FROSEN SEMEN BANK, HISSAR	14-12-2013	38	352	39.54	83.62

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241	SAG-BM-397	SAG Bidaj	20-01-2011	96	857	39.15	92.44
242	SAG-BM-369	SAG Bidaj	20-09-2010	99	889	39.1	92.53
243	SAG-BM-167	SAG Bidaj	17-09-1997	10	99	38.89	61.38
244	SAG-BM-349	SAG Bidaj	07-08-2009	122	1134	38.36	94.28
245	ABC-MR-21046	ABC Salon	12-07-2015	16	89	38.25	69.3
246	NBH-MAPPLE	FSBS, NABHA	25-09-2011	46	418	37.67	87.78
247	SAG-MR-10487	SAG Bidaj	27-01-2015	51	347	37.33	87.07
248	SAG-BM-243	SAG Bidaj	02-08-2003	121	1104	37.26	94.32
249	SAG-BM-128	SAG Bidaj	11-06-1996	16	146	35.74	72.42
250	NBH-MAXY	FSBS, NABHA	09-08-2012	24	207	35.1	76.63
251	SAG-BM-103	SAG Bidaj	15-08-1995	12	70	34.24	64.27
252	SAG-MR-10482	SAG Bidaj	12-10-2014	17	81	33.63	71.68
253	SAG-BM-231	SAG Bidaj	22-11-2002	62	596	31.79	90.38
254	HIS-70577	FROSEN SEMEN BANK, HISSAR	02-10-2007	110	988	30.42	94.15
255	SAG-BM-89	SAG Bidaj	05-11-1994	11	76	30.35	62.39
256	ABC-SM-616	ABC Salon	16-09-2012	37	317	29.78	84.65
257	HBR-530155	HISAR BOVINE SPERM STATION, HARYANA	08-06-2013	34	257	28.84	81.89
258	NBH-MARCO	FSBS, NABHA	27-08-2011	27	196	28.41	77.75
259	ABC-SM-460	ABC Salon	20-09-2009	24	226	27.57	78.88
260	SAG-BM-46	SAG Bidaj	15-06-1988	11	82	27.22	62.85
261	SAG-BM-37	SAG Bidaj	10-10-1985	18	140	25.37	75.02
262	SAG-BM-380	SAG Bidaj	10-12-2010	83	745	25.22	90.99
263	ROH-RM-026	ROHTAK SEMEN STATION, ROHTAK	02-07-2010	83	711	24.71	91.23
264	HIS-150-M	FROSEN SEMEN BANK, HISSAR	02-04-2009	226	1991	23.66	96.4

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265	NBH-MAYUR	FSBS, NABHA	10-09-2012	70	626	23.09	91.07
266	GUR-MR-250	FROSEN SEMEN BANK, GURGAON.	07-11-2010	68	628	22.57	90.76
267	ABC-SM-391	ABC Salon	27-09-2007	46	383	21.37	86.55
268	ROH-RM-005	ROHTAK SEMEN STATION, ROHTAK	29-09-2010	105	1008	20.84	93.79
269	HIS-PC-1899	FROSEN SEMEN BANK, HISSAR	05-08-2013	36	317	19.54	84.43
270	GUR-MR-224	FROSEN SEMEN BANK, GURGAON.	01-07-2008	42	339	19.33	85.31
271	ROP-MARUTI	FSS,ROPAR	18-09-2009	34	291	18.8	84.65
272	SAG-BM-399	SAG Bidaj	08-08-2011	75	628	18.76	90.67
273	ABC-SM-593	ABC Salon	26-12-2011	41	365	18.23	86.24
274	HIS-MR-450330	FROSEN SEMEN BANK, HISSAR	02-07-2012	37	294	18.2	83.46
275	SAG-BM-216	SAG Bidaj	22-07-2001	30	295	18.07	82.08
276	SAG-BM-116	SAG Bidaj	14-09-1995	90	822	17.62	93.16
277	NBH-MASON	FSBS, NABHA	11-09-2007	49	398	17.08	88.11
278	SAG-BM-86	SAG Bidaj	17-06-1994	11	79	16.64	63.41
279	HIS-75355	FROSEN SEMEN BANK, HISSAR	08-01-2011	58	538	16.49	89.71
280	SAG-BM-66	SAG Bidaj	09-01-1993	31	240	16	80.67
281	SAG-MR-10457	SAG Bidaj	02-12-2013	90	804	15.43	92.33
282	NBH-MALANG	FSBS, NABHA	03-09-2010	53	475	15.06	88.95
283	HIS-M-418	FROSEN SEMEN BANK, HISSAR	25-05-2014	50	416	13.47	87.53
284	ABC-MR-21048	ABC Salon	31-03-2016	12	95	13.2	67.99
285	SAG-MR-10415	SAG Bidaj	18-09-2012	98	875	13.06	92.42
286	NBH-MANGO	FSBS, NABHA	27-07-2009	48	395	12.59	88.25

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287	SAG-BM-120	SAG Bidaj	11-04-1996	17	132	12.36	71.53
288	ABC-SM-614	ABC Salon	20-09-2011	31	263	11.93	83.88
289	SAG-BM-227	SAG Bidaj	11-11-2001	34	330	11.33	83.6
290	ROH-RM-030	ROHTAK SEMEN STATION, ROHTAK	02-12-2010	113	991	11.32	93.43
291	ABC-SM-611	ABC Salon	03-01-2012	39	344	11.12	86.89
292	ROH-RM-019	ROHTAK SEMEN STATION, ROHTAK	24-09-2010	106	989	10.13	93.11
293	NBH-MALINGA	FSBS, NABHA	01-12-2009	51	414	10.03	88.81
294	HBR-335640	HISAR BOVINE SPERM STATION, HARYANA	14-09-2014	26	196	9.72	79.26
295	ABC-SM-400	ABC Salon	16-12-2007	46	431	9.16	88.47
296	SAG-BM-225	SAG Bidaj	28-01-2001	102	1003	8.76	93.92
297	SAG-BM-192	SAG Bidaj	15-07-2001	18	173	7.2	72.95
298	HIS-MR-102699	FROSEN SEMEN BANK, HISSAR	04-11-2012	112	1058	7.03	94.47
299	ALM-MR-40061	ALAMADHI SEMEN STATION	15-08-2012	85	757	6.56	92.39
300	HIS-M-138	FROSEN SEMEN BANK, HISSAR	02-09-2008	20	184	4.65	75.41
301	SAG-MR-10424	SAG Bidaj	03-09-2012	82	747	3.12	91.45
302	NBH-MOHIT	FSBS, NABHA	10-01-2008	56	490	-0.85	89.22
303	SAG-BM-321	SAG Bidaj	19-09-2007	10	107	-0.91	71.16
304	ABC-SM-468	ABC Salon	12-01-2010	29	251	-1.99	80.8
305	ABC-SM-466	ABC Salon	14-12-2009	33	301	-2.66	85.13
306	SAG-BM-279	SAG Bidaj	17-09-2004	28	289	-2.66	82.11
307	SAG-BM-374	SAG Bidaj	20-05-2011	94	821	-2.72	92.09
308	SAG-BM-129	SAG Bidaj	04-07-1996	11	87	-2.83	63.16
309	ABC-SM-218	ABC Salon	08-10-2003	60	515	-3.1	88.2

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310	SAG-MR-10523	SAG Bidaj	10-12-2014	132	864	-3.43	93.67
311	ABC-SM-535	ABC Salon	01-08-2011	68	600	-3.97	91.01
312	ALM-MR-40063	ALAMADHI SEMEN STATION	02-08-2012	62	537	-4.11	89.66
313	ROP-MALO	FSS,ROPAR	10-11-2009	56	517	-4.93	89.55
314	SAG-BM-61	SAG Bidaj	25-09-1991	20	173	-5.14	74.64
315	SAG-MR-10545	SAG Bidaj	01-08-2015	13	63	-5.31	68.27
316	ALM-MR-40097	ALAMADHI SEMEN STATION	01-10-2013	35	281	-5.55	82.19
317	SAG-MR-10514	SAG Bidaj	22-08-2015	28	153	-5.71	79.4
318	ABC-SM-488	ABC Salon	05-01-2011	31	254	-6.63	82.58
319	SAG-MR-10453	SAG Bidaj	23-07-2013	45	278	-6.85	85.37
320	SAG-MR-10442	SAG Bidaj	21-01-2012	74	596	-7.75	90.74
321	SAG-BM-65	SAG Bidaj	23-07-1992	11	82	-8.13	67.79
322	SAG-BM-77	SAG Bidaj	09-02-1994	13	99	-9.65	67.18
323	SAG-BM-34	SAG Bidaj	05-09-1984	14	110	-10.2	68.03
324	ROH-RM-001	ROHTAK SEMEN STATION, ROHTAK	31-05-2010	98	923	-11.04	93.28
325	SAG-MR-10477	SAG Bidaj	08-11-2014	52	348	-11.17	86.73
326	HIS-530155	FROSEN SEMEN BANK, HISSAR	08-06-2013	10	81	-11.29	61.04
327	SAG-MR-10438	SAG Bidaj	04-01-2014	91	786	-11.44	92.2
328	SAG-MR-10429	SAG Bidaj	20-08-2012	63	534	-12.84	89.73
329	SAG-BM-133	SAG Bidaj	07-09-1996	40	339	-13.02	86.52
330	SAG-MR-10416	SAG Bidaj	23-12-2011	108	958	-14.38	93.38
331	ROP-MILAP	FSS,ROPAR	14-12-2010	54	503	-14.54	89.16
332	SAG-BM-316	SAG Bidaj	02-01-2007	79	756	-15.31	91.76
333	ABC-SM-496	ABC Salon	08-09-2010	28	242	-15.98	82.2
334	HIS-MR-1116	FROSEN SEMEN	08-07-2011	41	385	-16.07	85.94

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		BANK, HISSAR					
335	SAG-BM-101	SAG Bidaj	07-06-1995	14	121	-16.32	68.03
336	ABC-SM-642	ABC Salon	10-10-2012	35	318	-16.78	85.44
337	ROP-MIRZA	FSS,ROPAR	22-10-2009	51	425	-17.53	88.32
338	HIS-PC-483	FROSEN SEMEN BANK, HISSAR	21-06-2007	39	313	-18	86.62
339	SAG-BM-67	SAG Bidaj	15-01-1993	11	84	-18.89	63.42
340	HIS-314269	FROSEN SEMEN BANK, HISSAR	07-08-2011	68	622	-19.5	90.64
341	SAG-BM-53	SAG Bidaj	27-06-1991	10	77	-19.88	61.65
342	GUR-PC-692	FROSEN SEMEN BANK, GURGAON.	02-10-2009	35	304	-20.43	83.8
343	HIS-PC-839	FROSEN SEMEN BANK, HISSAR	10-10-2009	44	340	-21.16	85.46
344	ABC-SM-740	ABC Salon	17-08-2013	147	1306	-21.39	95.19
345	SAG-BM-378	SAG Bidaj	21-10-2011	157	1450	-22.34	95.12
346	SAG-BM-251	SAG Bidaj	12-09-2004	119	1153	-22.35	94.43
347	SAG-MR-10520	SAG Bidaj	15-04-2015	24	143	-22.77	77.69
348	HIS-PC-427	FROSEN SEMEN BANK, HISSAR	03-09-2008	160	1250	-22.8	95.02
349	SAG-BM-335	SAG Bidaj	03-10-2008	95	907	-23.89	92.94
350	SAG-BM-44	SAG Bidaj	19-11-1987	13	95	-24.56	71.62
351	NBH-MATRU	FSBS, NABHA	18-04-2007	51	421	-26.17	88.46
352	HIS-154-M	FROSEN SEMEN BANK, HISSAR	02-06-2009	55	498	-26.25	89.13
353	HIS-75374	FROSEN SEMEN BANK, HISSAR	19-09-2010	17	134	-26.32	71.34
354	HIS-PC-999	FROSEN SEMEN BANK, HISSAR	30-12-2010	31	249	-26.85	80.99

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355	SAG-BM-144	SAG Bidaj	13-01-1997	23	182	-26.95	76.42
356	SAG-MR-10421	SAG Bidaj	28-09-2012	79	682	-27.83	90.89
357	ABC-SM-325	ABC Salon	13-01-2007	61	532	-28.12	89.51
358	ROH-RM-032	ROHTAK SEMEN STATION, ROHTAK	01-11-2012	86	764	-28.31	91.79
359	SAG-BM-368	SAG Bidaj	20-10-2010	105	944	-29.55	93.21
360	SAG-MR-10505	SAG Bidaj	07-05-2015	33	184	-29.75	81.14
361	SAG-BM-40	SAG Bidaj	10-02-1986	65	588	-29.93	93.96
362	NBH-MAKHAN	FSBS, NABHA	20-08-2009	73	602	-30.78	91.57
363	NBH-MOLANA	FSBS, NABHA	03-08-2009	61	531	-31.25	90.6
364	ABC-SM-513	ABC Salon	08-11-2009	48	417	-33.38	86.95
365	SAG-BM-311	SAG Bidaj	30-07-2006	82	795	-33.78	92.26
366	SAG-BM-403	SAG Bidaj	10-01-2011	70	645	-34.74	90.08
367	GUR-552762	FROSEN SEMEN BANK, GURGAON.	20-12-2011	65	542	-34.92	89.13
368	HIS-72852	FROSEN SEMEN BANK, HISSAR	01-10-2008	42	369	-35.14	85.78
369	HIS-M-444	FROSEN SEMEN BANK, HISSAR	09-11-2014	59	432	-36.36	88.22
370	SAG-BM-288	SAG Bidaj	09-10-2005	52	517	-36.9	89.35
371	HIS-149421	FROSEN SEMEN BANK, HISSAR	30-08-2010	29	282	-37.06	83.1
372	SAG-BM-43	SAG Bidaj	19-11-1987	12	86	-37.48	65.08
373	ROH-RM-003	ROHTAK SEMEN STATION, ROHTAK	08-08-2010	113	1072	-38.76	93.82
374	ROH-RM-024	ROHTAK SEMEN STATION, ROHTAK	10-09-2010	105	957	-38.97	92.84
375	SAG-BM-264	SAG Bidaj	10-05-2005	184	1650	-38.99	96.34
376	SAG-BM-71	SAG Bidaj	05-01-1993	13	101	-39.39	67

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377	SAG-BM-122	SAG Bidaj	12-05-1996	13	71	-39.63	64.49
378	NBH-MARINA	FSBS, NABHA	27-02-2009	44	344	-40.78	87.05
379	SAG-BM-319	SAG Bidaj	16-09-2007	75	711	-41.17	92.64
380	SAG-BM-382	SAG Bidaj	10-01-2011	13	115	-42.92	71.41
381	SAG-BM-69	SAG Bidaj	01-11-1992	16	90	-43.02	68.14
382	HIS-488023	FROSEN SEMEN BANK, HISSAR	13-03-2016	13	76	-43.06	67.89
383	SAG-BM-91	SAG Bidaj	15-08-1995	11	67	-43.32	62.12
384	HIS-PC-721	FROSEN SEMEN BANK, HISSAR	05-02-2010	13	108	-43.39	71.62
385	ABC-SM-394	ABC Salon	29-08-2007	41	363	-43.5	86.09
386	NBH-MUKAT	FSBS, NABHA	10-10-2007	35	267	-43.59	83.87
387	HIS-PC-1092	FROSEN SEMEN BANK, HISSAR	03-09-2010	16	139	-43.69	71.56
388	ABC-SM-1026	ABC Salon	05-07-2015	25	166	-44.44	75.7
389	ABC-SM-710	ABC Salon	06-10-2012	62	551	-44.68	89.79
390	NBH-MAGHI	FSBS, NABHA	30-09-2009	48	395	-46.47	88.54
391	SAG-BM-217	SAG Bidaj	21-09-2001	19	181	-47.12	75.02
392	SAG-MR-10430	SAG Bidaj	18-07-2012	94	817	-48.82	92.54
393	SAG-BM-408	SAG Bidaj	05-01-2011	118	1062	-49.49	93.47
394	ROH-RM-031	ROHTAK SEMEN STATION, ROHTAK	10-10-2012	68	595	-50.67	89.93
395	ROP-MIKADO	FSS,ROPAR	15-12-2009	37	335	-51.05	85.62
396	ABC-SM-461	ABC Salon	23-10-2009	24	205	-51.21	78.81
397	SAG-MR-10492	SAG Bidaj	25-10-2014	18	105	-51.71	72.01
398	HIS-105144	FROSEN SEMEN BANK, HISSAR	08-08-2009	318	2812	-52.16	97.53
399	SAG-BM-292	SAG Bidaj	08-09-2005	110	1064	-52.31	94.31
400	SAG-BM-353	SAG Bidaj	01-10-2010	109	998	-53.41	93.37

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401	SAG-BM-391	SAG Bidaj	08-08-2011	74	673	-53.5	90.23
402	SAG-BM-252	SAG Bidaj	24-11-2004	94	882	-54.07	93
403	RHR-MR-50125	Rahuri SS	19-04-2015	35	288	-54.91	83.02
404	ABC-SM-640	ABC Salon	01-02-2013	44	420	-55.64	87.14
405	SAG-BM-310	SAG Bidaj	15-09-2007	91	836	-55.98	92.86
406	SAG-BM-293	SAG Bidaj	18-11-2005	103	1009	-56.24	94.23
407	SAG-BM-245	SAG Bidaj	31-10-2002	65	624	-57.6	91.47
408	SAG-BM-303	SAG Bidaj	15-01-2007	113	1104	-57.64	94.3
409	ABC-SM-963	ABC Salon	30-08-2014	16	118	-58.62	70.98
410	ABC-SM-536	ABC Salon	15-07-2011	36	323	-59.86	84.83
411	SAG-BM-274	SAG Bidaj	28-03-2005	125	1230	-62.12	94.91
412	ABC-SM-301	ABC Salon	25-08-2006	42	383	-62.15	85.45
413	SAG-BM-233	SAG Bidaj	09-10-2002	24	225	-63.12	80.4
414	GUR-MR-1211	FROSEN SEMEN BANK, GURGAON.	15-08-2011	74	717	-64.15	91.41
415	NBH-MINHAS	FSBS, NABHA	01-07-2010	51	400	-64.47	88.03
416	SAG-BM-134	SAG Bidaj	18-09-1996	16	127	-64.73	70.09
417	ABC-SM-409	ABC Salon	05-09-2008	53	452	-64.82	88.33
418	SAG-BM-352	SAG Bidaj	15-08-2010	70	614	-65.85	90.59
419	ALM-MR-40060	ALAMADHI SEMEN STATION	24-08-2012	40	338	-66.11	85.99
420	NBH-MEHNDI	FSBS, NABHA	02-10-2008	43	358	-66.43	87.21
421	ABC-SM-703	ABC Salon	10-10-2011	42	373	-67.26	86.12
422	ABC-SM-608	ABC Salon	16-09-2011	47	347	-67.39	86.6
423	SAG-MR-10486	SAG Bidaj	12-12-2014	16	86	-68.26	68.82
424	SAG-MR-10536	SAG Bidaj	01-08-2015	24	121	-68.27	76.93
425	SAG-BM-406	SAG Bidaj	31-07-2012	86	773	-68.54	91.89
426	SAG-BM-394	SAG Bidaj	05-03-2011	128	1132	-69.69	93.93
427	HIS-414518	FROSEN SEMEN	30-08-2014	16	191	-70.31	70.15

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		BANK, HISSAR					
428	NBH-MURARI	FSBS, NABHA	19-06-2009	61	581	-70.41	90.14
429	NBH-MANSA	FSBS, NABHA	09-10-2008	50	406	-71.35	87.84
430	ABC-SM-704	ABC Salon	01-09-2012	55	487	-72.09	88.24
431	SAG-BM-121	SAG Bidaj	14-04-1996	18	139	-72.48	71.98
432	SAG-MR-10513	SAG Bidaj	20-05-2015	55	351	-72.75	87.6
433	SAG-BM-165	SAG Bidaj	11-09-1997	16	140	-74.55	71.24
434	NBH-MOJI	FSBS, NABHA	05-08-2008	31	263	-74.73	82.45
435	HIS-PC-575	FROSEN SEMEN BANK, HISSAR	02-09-2009	184	1584	-75.45	96.18
436	HIS-155-M	FROSEN SEMEN BANK, HISSAR	02-06-2009	65	582	-75.45	90.29
437	SAG-BM-150	SAG Bidaj	10-10-1996	30	240	-77.73	80.29
438	BAS-MB160	FROSEN SEMEN BANK, BASSI.	10-12-2011	21	161	-78.08	73.88
439	SAG-BM-35	SAG Bidaj	10-10-1985	20	163	-79.19	74.46
440	NBH-MAJHA	FSBS, NABHA	01-07-2008	37	305	-79.51	85.07
441	NBH-MAFIA	FSBS, NABHA	22-08-2012	55	472	-79.71	89.32
442	SAG-MR-10432	SAG Bidaj	25-06-2013	95	818	-79.82	92.74
443	GUR-PC-1077	FROSEN SEMEN BANK, GURGAON.	20-08-2010	65	588	-80.01	90.95
444	SAG-BM-140	SAG Bidaj	06-09-1996	18	167	-80.38	73.14
445	SAG-BM-273	SAG Bidaj	25-08-2004	127	1238	-81.69	95.18
446	SAG-BM-356	SAG Bidaj	18-08-2010	74	687	-81.86	90.85
447	ROH-RM-010	ROHTAK SEMEN STATION, ROHTAK	16-10-2010	107	1039	-82.73	93.92
448	NBH-SONY	FSBS, NABHA	27-09-2009	306	2745	-83.03	97.48
449	NBH-MAGNUM	FSBS, NABHA	30-09-2014	37	296	-83.04	82.79

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450	ALM-MR-40058	ALAMADHI SEMEN STATION	10-10-2012	91	733	-83.23	92.12
451	ROH-RM-009	ROHTAK SEMEN STATION, ROHTAK	08-11-2010	109	967	-83.63	93.05
452	NBH-MAJID	FSBS, NABHA	28-07-2010	54	469	-84.27	88.48
453	HIS-PC-474	FROSEN SEMEN BANK, HISSAR	22-12-2008	77	648	-84.39	91.4
454	SAG-BM-390	SAG Bidaj	05-08-2011	105	872	-85.15	92.66
455	RHR-MR-50136	Rahuri SS	06-08-2015	65	557	-85.68	89.41
456	NBH-MACHHAR	FSBS, NABHA	26-06-2007	47	396	-85.71	88.61
457	HIS-82453	FROSEN SEMEN BANK, HISSAR	25-09-2009	36	280	-85.91	82.39
458	GUR-MR-116395	FROSEN SEMEN BANK, GURGAON.	13-10-2007	20	203	-87.1	74.2
459	SAG-BM-202	SAG Bidaj	29-09-2001	21	195	-87.39	75.42
460	SAG-BM-290	SAG Bidaj	29-08-2004	61	602	-87.41	90.33
461	SAG-BM-70	SAG Bidaj	09-03-1993	13	102	-87.85	67.33
462	HIS-72850	FROSEN SEMEN BANK, HISSAR	22-09-2008	220	1700	-88.22	96.12
463	ABC-SM-464	ABC Salon	17-11-2009	65	535	-88.78	89.67
464	SAG-BM-64	SAG Bidaj	10-04-1992	20	126	-89.05	73.17
465	SAG-BM-354	SAG Bidaj	04-07-2010	105	955	-89.35	93.21
466	HBR-420605	HISAR BOVINE SPERM STATION, HARYANA	16-09-2013	34	252	-89.45	81.8
467	JAG-MR-269495	FROSEN SEMEN BANK, JAGADHRI.	02-09-2012	24	163	-90	76.28
468	NBH-MEER	FSBS, NABHA	01-11-2009	57	515	-93.16	90.43
469	ABC-SM-660	ABC Salon	09-11-2012	42	361	-93.36	87.36
470	ABC-SM-662	ABC Salon	10-07-2012	51	443	-93.39	88.81

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471	NBH-MASHAL	FSBS, NABHA	27-10-2009	45	377	-93.73	86.92
472	ABC-SM-612	ABC Salon	18-09-2011	13	128	-94.53	72.11
473	SAG-BM-268	SAG Bidaj	09-10-2004	142	1292	-97.41	95.47
474	ABC-SM-643	ABC Salon	16-07-2012	22	194	-98.31	79.17
475	HIS-73114	FROSEN SEMEN BANK, HISSAR	15-01-2010	77	681	-99.1	91.18
476	SAG-BM-185	SAG Bidaj	31-05-2001	29	270	-99.7	83.92
477	NBH-MUKRI	FSBS, NABHA	02-01-2008	33	283	-99.84	83.51
478	HIS-PC-718	FROSEN SEMEN BANK, HISSAR	10-04-2010	62	508	-100.61	89.79
479	SAG-BM-255	SAG Bidaj	17-10-2004	76	741	-100.84	91.91
480	SAG-BM-182	SAG Bidaj	29-09-2000	16	156	-101.69	70.78
481	SAG-BM-226	SAG Bidaj	17-12-2001	70	650	-101.71	91.77
482	HIS-371524	FROSEN SEMEN BANK, HISSAR	01-06-2010	15	127	-101.81	73.24
483	NBH-MISHRI	FSBS, NABHA	12-08-2010	45	406	-105.4	87.21
484	ABC-SM-665	ABC Salon	08-07-2013	56	461	-105.41	88.4
485	SAG-BM-130	SAG Bidaj	27-07-1996	44	352	-105.9	85.31
486	SAG-BM-343	SAG Bidaj	26-01-2009	103	964	-106.37	92.95
487	HIS-M-410	FROSEN SEMEN BANK, HISSAR	20-02-2014	37	301	-107.48	84.1
488	NBH-MITTAR	FSBS, NABHA	10-06-2011	61	542	-108.73	90.83
489	SAG-BM-52	SAG Bidaj	27-01-1991	11	91	-108.94	63.71
490	NBH-MULTAN	FSBS, NABHA	04-08-2012	41	339	-110.2	86.33
491	ABC-SM-514	ABC Salon	26-09-2010	35	317	-110.64	84.48
492	ROP-MEET	FSS,ROPAR	10-07-2009	37	332	-110.72	86.49
493	SAG-BM-51	SAG Bidaj	06-09-1990	28	223	-111.13	79.8
494	ABC-SM-402	ABC Salon	09-06-2008	23	203	-111.34	77.09

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495	HIS-451586	FROSEN SEMEN BANK, HISSAR	02-01-2014	52	459	-112.11	88.14
496	SAG-BM-172	SAG Bidaj	02-10-2004	16	132	-113.71	71.03
497	ABC-SM-637	ABC Salon	24-02-2013	56	510	-113.85	90.16
498	HIS-PC-1994	FROSEN SEMEN BANK, HISSAR	15-12-2014	13	111	-115.74	69.7
499	NBH-MEGH	FSBS, NABHA	12-09-2007	36	331	-115.78	84.88
500	HIS-116911	FROSEN SEMEN BANK, HISSAR	05-08-2006	24	209	-116.91	76.22
501	NBH-MANJU	FSBS, NABHA	25-07-2008	28	251	-117.82	80.22
502	NBH-MALUKA	FSBS, NABHA	10-07-2008	54	469	-117.96	89.88
503	SAG-MR-10553	SAG Bidaj	25-09-2015	27	138	-119.13	78.11
504	ABC-SM-591	ABC Salon	12-02-2012	32	283	-119.61	84.53
505	SAG-BM-339	SAG Bidaj	14-02-2009	121	1110	-119.68	94.19
506	SAG-BM-218	SAG Bidaj	16-04-2001	23	223	-120.56	78.32
507	ABC-SM-589	ABC Salon	31-12-2011	46	376	-121.39	87.52
508	NBH-MANNAT	FSBS, NABHA	25-09-2008	30	243	-121.51	82.53
509	SAG-BM-262	SAG Bidaj	10-09-2005	89	867	-122.16	92.76
510	SAG-BM-229	SAG Bidaj	20-08-2001	19	178	-122.22	74.08
511	NBH-MURTZA	FSBS, NABHA	28-12-2010	50	397	-123	89.67
512	NBH-MOHALI	FSBS, NABHA	02-02-2011	69	599	-123.28	90.82
513	ABC-SM-899	ABC Salon	08-12-2014	38	309	-124.12	83.54
514	ROH-RM-020	ROHTAK SEMEN STATION, ROHTAK	15-11-2010	104	932	-125.11	92.82
515	SAG-MR-10427	SAG Bidaj	08-01-2012	54	445	-126.19	88.34
516	ABC-SM-537	ABC Salon	23-08-2011	23	192	-130.66	78.28
517	BAS-MB161	FROSEN SEMEN BANK, BASSI.	13-11-2011	17	165	-131.23	70.74
518	HIS-151-M	FROSEN SEMEN	04-04-2009	64	550	-131.26	90.66

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		BANK, HISSAR					
519	SAG-BM-161	SAG Bidaj	25-08-1997	20	167	-132.32	74.24
520	ABC-SM-619	ABC Salon	30-04-2012	27	256	-132.84	84.07
521	ALM-MR-40064	ALAMADHI SEMEN STATION	04-11-2012	40	332	-133.42	85.75
522	SAG-BM-294	SAG Bidaj	25-10-2005	122	1213	-133.58	94.59
523	NBH-MADY	FSBS, NABHA	18-12-2012	35	276	-133.78	83.47
524	SAG-BM-223	SAG Bidaj	20-07-2001	98	925	-133.84	93.6
525	GUR-PC-964	FROSEN SEMEN BANK, GURGAON.	15-10-2010	73	647	-133.86	90.81
526	SAG-BM-186	SAG Bidaj	09-06-2001	29	282	-134.2	82.87
527	SAG-BM-312	SAG Bidaj	10-09-2007	75	698	-135.13	91.83
528	NBH-MITHU	FSBS, NABHA	18-08-2009	47	403	-136.32	86.97
529	SAG-BM-132	SAG Bidaj	24-08-1996	37	316	-137.1	83.66
530	SAG-BM-94	SAG Bidaj	01-02-1996	15	122	-137.56	69.18
531	ABC-SM-395	ABC Salon	02-09-2007	56	521	-138.84	89.71
532	SAG-MR-10417	SAG Bidaj	19-10-2012	86	768	-139.49	92.13
533	ABC-SM-661	ABC Salon	06-08-2012	66	588	-139.56	89.87
534	SAG-BM-298	SAG Bidaj	04-03-2006	96	931	-139.95	93.72
535	SAG-BM-266	SAG Bidaj	17-09-2004	151	1411	-142.74	95.39
536	JAG-72204	FROSEN SEMEN BANK, JAGADHRI.	10-08-2008	25	203	-143.2	79.04
537	SAG-BM-395	SAG Bidaj	20-05-2011	114	1078	-144.53	93.47
538	SAG-BM-275	SAG Bidaj	05-01-2006	103	985	-145	93.74
539	SAG-MR-10464	SAG Bidaj	12-09-2014	60	510	-145.48	88.8
540	SAG-MR-10540	SAG Bidaj	12-11-2015	55	363	-146.59	86.64
541	SAG-BM-358	SAG Bidaj	28-08-2010	123	1200	-146.93	94.28
542	GUR-315816	FROSEN SEMEN BANK, GURGAON.	12-08-2011	37	309	-147.39	83.35

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543	HIS-PC-468	FROSEN SEMEN BANK, HISSAR	29-09-2008	32	284	-148.24	82.29
544	SAG-BM-247	SAG Bidaj	18-05-2004	72	672	-148.75	91.63
545	GUR-003343	FROSEN SEMEN BANK, GURGAON.	31-07-2009	36	307	-150.6	83.05
546	SAG-BM-385	SAG Bidaj	08-06-2011	103	922	-150.61	92.61
547	SAG-BM-224	SAG Bidaj	01-04-2001	96	893	-151.88	93.03
548	NBH-MAVI	FSBS, NABHA	14-05-2008	71	596	-153.97	91.17
549	SAG-BM-180	SAG Bidaj	05-10-1997	13	119	-154.83	66.6
550	NBH-MAKBUL	FSBS, NABHA	01-09-2009	44	380	-156.31	87.98
551	ROP-MARC	FSS,ROPAR	07-05-2010	18	174	-157.29	73.26
552	GUR-296103	FROSEN SEMEN BANK, GURGAON.	09-08-2011	46	411	-157.47	86.33
553	HIS-MR-296230	FROSEN SEMEN BANK, HISSAR	10-10-2011	54	461	-158.35	88.3
554	NBH-MIDAS	FSBS, NABHA	23-09-2009	33	260	-161.74	82.03
555	SAG-BM-295	SAG Bidaj	17-10-2005	125	1166	-162.04	94.8
556	ABC-SM-622	ABC Salon	22-11-2012	39	302	-164.05	86.04
557	ABC-SM-299	ABC Salon	23-07-2006	44	379	-165.04	86.37
558	SAG-BM-213	SAG Bidaj	22-02-2002	59	532	-165.05	89.53
559	SAG-BM-308	SAG Bidaj	11-08-2007	95	867	-166.37	93.34
560	SAG-BM-204	SAG Bidaj	10-07-2001	12	116	-166.46	66.72
561	SAG-BM-296	SAG Bidaj	17-11-2004	106	988	-167	94.1
562	NBH-MITHUN	FSBS, NABHA	07-06-2009	36	310	-168.74	82.97
563	HBR-MBF-790394	HISAR BOVINE SPERM STATION, HARYANA	04-03-2015	12	70	-170.34	64.28
564	ABC-SM-289	ABC Salon	05-11-2005	95	834	-170.69	92.03
565	ABC-SM-192	ABC Salon	19-11-2002	68	597	-171	89.39

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566	SAG-BM-277	SAG Bidaj	15-01-2005	119	1092	-171.15	94.61
567	NBH-MAJNU	FSBS, NABHA	17-08-2009	73	562	-171.92	91
568	NBH-MIRCH	FSBS, NABHA	25-12-2010	55	475	-172.94	89.54
569	ROH-RM-012	ROHTAK SEMEN STATION, ROHTAK	16-12-2010	90	843	-175.31	92.44
570	NBH-METER	FSBS, NABHA	06-08-2008	77	647	-176.19	91.29
571	NBH-MOOLI	FSBS, NABHA	14-12-2010	47	498	-176.35	88.43
572	NBH-MUKHI	FSBS, NABHA	14-02-2009	41	332	-176.46	84.49
573	SAG-BM-318	SAG Bidaj	05-01-2008	99	965	-176.71	93.87
574	ABC-SM-384	ABC Salon	18-07-2007	68	585	-177.11	90.44
575	HIS-MR-102622	FROSEN SEMEN BANK, HISSAR	06-10-2012	61	569	-179.81	89.57
576	ABC-SM-191	ABC Salon	20-09-2002	80	723	-181.03	91.03
577	HIS-118449	FROSEN SEMEN BANK, HISSAR	01-07-2008	15	118	-181.59	69.54
578	SAG-BM-363	SAG Bidaj	14-11-2010	83	746	-182.05	91.25
579	SAG-BM-78	SAG Bidaj	28-02-1994	11	81	-186.48	63.21
580	NBH-MUNISH	FSBS, NABHA	25-08-2008	47	395	-186.83	86.41
581	SAG-BM-393	SAG Bidaj	04-09-2011	95	880	-187.24	92
582	NBH-MICAL	FSBS, NABHA	29-09-2007	59	527	-191.23	89.76
583	GUR-MR-281973	FROSEN SEMEN BANK, GURGAON.	09-08-2013	61	508	-192.33	89.13
584	SAG-BM-379	SAG Bidaj	13-11-2010	103	934	-192.58	92.94
585	ROH-RM-017	ROHTAK SEMEN STATION, ROHTAK	14-10-2010	74	652	-192.77	90.12
586	SAG-BM-187	SAG Bidaj	01-09-2001	28	269	-193.4	82.4
587	HIS-281962	FROSEN SEMEN BANK, HISSAR	18-07-2014	49	409	-194.15	86.55
588	SAG-BM-299	SAG Bidaj	02-01-2006	78	744	-196.46	92.47

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589	HIS-053104	FROSEN SEMEN BANK, HISSAR	24-09-2015	11	70	-196.92	66.44
590	NBH-MADHAV	FSBS, NABHA	18-07-2007	51	424	-197.42	87.83
591	NBH-MEHAR	FSBS, NABHA	05-10-2007	45	384	-202.98	85.85
592	SAG-BM-305	SAG Bidaj	01-09-2006	124	1186	-203.34	94.66
593	NBH-MISSILE	FSBS, NABHA	01-07-2009	52	436	-203.55	87.84
594	SAG-BM-326	SAG Bidaj	25-12-2008	61	580	-204.19	90.68
595	SAG-BM-322	SAG Bidaj	01-03-2007	67	633	-204.88	91.2
596	NBH-MINDA	FSBS, NABHA	05-04-2008	81	678	-205.41	91.95
597	ABC-SM-666	ABC Salon	08-09-2013	66	542	-205.53	89.44
598	ABC-SM-489	ABC Salon	16-08-2010	39	323	-206.22	85.11
599	ABC-SM-392	ABC Salon	25-11-2007	68	612	-206.49	90.7
600	NBH-BOND	FSBS, NABHA	28-07-2008	75	657	-206.75	91.68
601	NBH-MATHEW	FSBS, NABHA	19-02-2009	78	637	-206.84	92.1
602	ABC-SM-538	ABC Salon	19-02-2011	24	208	-207.13	79.72
603	SAG-BM-38	SAG Bidaj	08-01-1986	23	184	-210.39	76.89
604	NBH-MUSA	FSBS, NABHA	02-01-2008	37	310	-210.41	84.97
605	SAG-BM-315	SAG Bidaj	21-12-2007	85	792	-211.51	92.35
606	ABC-SM-459	ABC Salon	07-09-2009	32	277	-211.68	83.48
607	ABC-SM-613	ABC Salon	18-11-2011	40	344	-213.59	86.27
608	SAG-BM-370	SAG Bidaj	06-12-2010	137	1210	-214.54	94.41
609	SAG-BM-359	SAG Bidaj	18-11-2010	114	1017	-215.27	93.73
610	HIS-PC-461	FROSEN SEMEN BANK, HISSAR	09-09-2008	111	959	-215.76	94.09
611	SAG-BM-221	SAG Bidaj	09-09-2002	108	1074	-216.94	94.06
612	SAG-BM-375	SAG Bidaj	30-08-2010	93	758	-217.06	91.83
613	SAG-BM-287	SAG Bidaj	18-01-2006	81	765	-217.34	92.76
614	HIS-B-1-330	FROSEN SEMEN	29-12-2005	170	1626	-217.4	95.77

<b>Sr. No</b>	<b>Bull ID</b>	<b>Semen Station (Source)</b>	<b>Date of Birth</b>	<b>No of Daughters used in analysis</b>	<b>No of records used for analysis</b>	<b>GBV MY</b>	<b>REL %</b>
		BANK, HISSAR					
615	ABC-SM-463	ABC Salon	14-11-2009	47	399	-217.84	87.2
616	NBH-MUDRA	FSBS, NABHA	16-07-2009	27	247	-223.81	81.23
617	NBH-MOFAR	FSBS, NABHA	20-06-2006	49	396	-226.44	88.05
618	ABC-SM-495	ABC Salon	16-12-2009	32	294	-227.52	83.93
619	NBH-MIG	FSBS, NABHA	10-09-2009	62	477	-228.12	90.02
620	SAG-BM-357	SAG Bidaj	17-09-2009	103	955	-228.34	93.31
621	NBH-MEHTA	FSBS, NABHA	26-06-2008	53	476	-228.77	89.44
622	ABC-SM-401	ABC Salon	04-02-2008	54	465	-229.85	88.54
623	ABC-SM-469	ABC Salon	28-11-2009	22	196	-229.95	77.59
624	NBH-MINTU	FSBS, NABHA	04-07-2007	52	410	-231.21	88.97
625	GUR-MR-70536	FROSEN SEMEN BANK, GURGAON.	12-08-2007	16	110	-231.37	70.72
626	SAG-BM-329	SAG Bidaj	29-12-2008	80	779	-232.09	92.17
627	SAG-BM-278	SAG Bidaj	15-08-2005	54	532	-232.45	89.08
628	NBH-MALAH	FSBS, NABHA	09-03-2009	42	354	-232.99	87.48
629	SAG-BM-258	SAG Bidaj	08-10-2003	56	536	-233.5	89.05
630	HIS-13618	FROSEN SEMEN BANK, HISSAR	22-12-2007	21	155	-234.28	74.11
631	HIS-MR-313688	FROSEN SEMEN BANK, HISSAR	09-08-2012	19	163	-235.05	72.9
632	JAG-296855	FROSEN SEMEN BANK, JAGADHRI.	31-08-2009	21	189	-237.46	75.86
633	ABC-SM-386	ABC Salon	20-08-2007	95	847	-237.54	92.7
634	ABC-SM-621	ABC Salon	16-10-2012	56	453	-238.17	88.65
635	SAG-BM-386	SAG Bidaj	09-01-2011	98	886	-238.61	92.3
636	HIS-654823	FROSEN SEMEN BANK, HISSAR	16-06-2014	13	141	-239.13	67.39
637	NBH-MOKSH	FSBS, NABHA	25-05-2008	50	419	-240.32	88.97

<b>Sr. No</b>	<b>Bull ID</b>	<b>Semen Station (Source)</b>	<b>Date of Birth</b>	<b>No of Daughters used in analysis</b>	<b>No of records used for analysis</b>	<b>GBV MY</b>	<b>REL %</b>
638	SAG-BM-270	SAG Bidaj	01-09-2004	123	1150	-240.82	94.66
639	ABC-SM-388	ABC Salon	08-09-2007	48	422	-240.96	87
640	NBH-MUKUND	FSBS, NABHA	28-07-2006	41	335	-241.41	87.6
641	ROH-RM-027	ROHTAK SEMEN STATION, ROHTAK	04-09-2010	88	786	-243.13	91.76
642	ABC-SM-396	ABC Salon	06-09-2007	39	356	-243.49	86.01
643	NBH-MADHUR	FSBS, NABHA	15-09-2008	61	483	-246.04	90.02
644	SAG-BM-400	SAG Bidaj	15-07-2011	96	847	-247.14	92.63
645	NBH-MOODY	FSBS, NABHA	10-12-2007	26	193	-248.91	80.41
646	SAG-BM-195	SAG Bidaj	04-11-2001	21	202	-248.95	78.18
647	NBH-MANILA	FSBS, NABHA	05-01-2007	57	461	-250.02	89.17
648	JAG-MR-317167	FROSEN SEMEN BANK, JAGADHRI.	25-08-2012	17	154	-250.04	72.55
649	SAG-BM-289	SAG Bidaj	01-11-2005	100	971	-251.14	93.8
650	HIS-217704	FROSEN SEMEN BANK, HISSAR	20-09-2009	44	334	-251.18	86.89
651	HBR-603768	HISAR BOVINE SPERM STATION, HARYANA	20-12-2014	41	283	-252.69	83.45
652	SAG-BM-332	SAG Bidaj	12-01-2008	90	870	-253.82	92.98
653	SAG-BM-169	SAG Bidaj	23-09-1997	18	155	-255.08	72.83
654	NBH-MONTEK	FSBS, NABHA	23-05-2008	42	370	-257.45	87.2
655	ABC-SM-404	ABC Salon	21-05-2008	56	525	-259.84	89
656	SAG-BM-230	SAG Bidaj	09-09-2001	12	105	-259.93	67.14
657	NBH-MELA	FSBS, NABHA	03-10-2007	45	379	-260.36	87.72
658	NBH-MATHURA	FSBS, NABHA	03-10-2007	66	572	-263.32	91.28
659	NBH-MARCH	FSBS, NABHA	11-10-2007	52	406	-263.75	88.78
660	SAG-BM-36	SAG Bidaj	08-01-1986	20	145	-264.29	73.72
661	SAG-BM-263	SAG Bidaj	17-01-2006	189	1748	-265.94	96.1

<b>Sr. No</b>	<b>Bull ID</b>	<b>Semen Station (Source)</b>	<b>Date of Birth</b>	<b>No of Daughters used in analysis</b>	<b>No of records used for analysis</b>	<b>GBV MY</b>	<b>REL %</b>
662	HIS-72323	FROSEN SEMEN BANK, HISSAR	01-12-2008	21	179	-266.74	75.52
663	HIS-PC-665	FROSEN SEMEN BANK, HISSAR	14-11-2009	49	404	-266.79	86.7
664	SAG-BM-281	SAG Bidaj	11-07-2005	63	624	-267.67	90.42
665	NBH-MAXON	FSBS, NABHA	20-09-2007	54	442	-267.68	89.38
666	NBH-MUNDIR	FSBS, NABHA	04-11-2011	25	224	-268.35	77.38
667	HIS-72860	FROSEN SEMEN BANK, HISSAR	21-11-2009	77	656	-270.51	91.67
668	NBH-MANDU	FSBS, NABHA	05-11-2009	52	409	-270.87	88.41
669	HIS-319218	FROSEN SEMEN BANK, HISSAR	15-12-2011	41	362	-271.65	85.62
670	SAG-BM-200	SAG Bidaj	28-10-2001	24	232	-272.73	78.06
671	NBH-MANAV	FSBS, NABHA	13-12-2009	48	396	-272.94	87.76
672	SAG-BM-346	SAG Bidaj	09-11-2008	91	843	-273.2	92.68
673	ROH-RM-006	ROHTAK SEMEN STATION, ROHTAK	25-08-2010	76	681	-278.99	90.93
674	ABC-SM-223	ABC Salon	05-01-2005	64	551	-283.61	88.9
675	NBH-MIKE	FSBS, NABHA	27-08-2011	30	237	-286.41	80.55
676	SAG-BM-157	SAG Bidaj	12-08-1997	11	96	-286.42	63.59
677	ROH-RM-018	ROHTAK SEMEN STATION, ROHTAK	27-01-2011	101	886	-287.99	93.06
678	HIS-845511	FROSEN SEMEN BANK, HISSAR	08-01-2011	66	578	-295.2	89.92
679	GUR-MR-720	FROSEN SEMEN BANK, GURGAON.	04-06-2010	52	474	-298.08	87.39
680	SAG-BM-304	SAG Bidaj	28-03-2007	126	1193	-302.69	94.84
681	HIS-M-188	FROSEN SEMEN BANK, HISSAR	08-11-2009	16	151	-303.55	72.58

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682	ROP-MOORTI	FSS,ROPAR	05-04-2009	39	381	-303.83	84.82
683	NBH-MARSHAL	FSBS, NABHA	02-10-2009	42	326	-306.82	85.95
684	SAG-BM-235	SAG Bidaj	01-09-2003	103	898	-312.42	92.8
685	ABC-SM-287	ABC Salon	25-08-2005	33	283	-314.02	81.25
686	ROH-RM-002	ROHTAK SEMEN STATION, ROHTAK	05-08-2010	53	403	-315.23	86
687	SAG-BM-205	SAG Bidaj	10-08-2001	12	111	-317.1	65.49
688	NBH-MOBILE	FSBS, NABHA	02-08-2007	48	413	-321.74	88.44
689	GUR-MR-222	FROSEN SEMEN BANK, GURGAON.	18-03-2008	12	97	-321.97	65.02
690	NBH-MEEDY	FSBS, NABHA	21-04-2008	88	719	-323.5	92.85
691	NBH-MANJIT	FSBS, NABHA	18-08-2007	45	398	-329.6	88.43
692	SAG-BM-57	SAG Bidaj	17-12-1989	16	130	-331.31	70.62
693	ABC-SM-465	ABC Salon	20-11-2009	39	332	-331.51	85.43
694	HIS-654878	FROSEN SEMEN BANK, HISSAR	01-08-2014	11	98	-337.36	63.41
695	SAG-BM-257	SAG Bidaj	18-08-2004	54	469	-337.91	87.1
696	ROH-RM-015	ROHTAK SEMEN STATION, ROHTAK	07-01-2011	83	728	-347.53	91.12
697	ROH-RM-008	ROHTAK SEMEN STATION, ROHTAK	02-10-2010	61	570	-352.05	89.57
698	SAG-BM-367	SAG Bidaj	06-10-2010	90	832	-361.82	91.89
699	NBH-MUFTI	FSBS, NABHA	06-05-2012	33	285	-371.43	81.92
700	ABC-SM-515	ABC Salon	15-01-2010	38	344	-371.65	84.81
701	SAG-BM-267	SAG Bidaj	12-09-2004	74	725	-386.03	91.11
702	HIS-MR-738	FROSEN SEMEN BANK, HISSAR	15-05-2010	15	127	-397.32	69.82
703	HIS-292478	FROSEN SEMEN BANK, HISSAR	06-06-2011	49	443	-399.57	86.69

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704	NBH-MOHI	FSBS, NABHA	18-08-2008	67	538	-405.36	90.93
705	HIS-75290	FROSEN SEMEN BANK, HISSAR	08-01-2010	20	178	-408.55	74.08
706	BAS-MB157	FROSEN SEMEN BANK, BASSI.	08-01-2012	11	91	-431.08	63.18
707	NBH-MOHAN	FSBS, NABHA	10-06-2012	55	474	-431.14	90.1
708	SAG-BM-209	SAG Bidaj	08-09-2001	26	232	-444.09	78.58
709	HIS-PC-1909	FROSEN SEMEN BANK, HISSAR	20-11-2013	26	217	-445.23	78.62
710	JAG-MR-316461	FROSEN SEMEN BANK, JAGADHRI.	27-08-2012	22	209	-446.26	75.2
711	SAG-BM-371	SAG Bidaj	08-10-2010	96	833	-451.85	92.13
712	ABC-SM-187	ABC Salon	05-09-2003	72	621	-453.69	89.82
713	JAG-77342	FROSEN SEMEN BANK, JAGADHRI.	15-08-2008	28	221	-459.09	79.25
714	GUR-269207	FROSEN SEMEN BANK, GURGAON.	29-11-2011	43	361	-462.09	85.27
715	HIS-300138	FROSEN SEMEN BANK, HISSAR	15-08-2010	25	201	-482.76	78.92
716	JAG-73564	FROSEN SEMEN BANK, JAGADHRI.	30-11-2009	29	268	-497.94	79.92
717	NBH-MEETA	FSBS, NABHA	05-01-2011	25	209	-500.41	78.7
718	ABC-SM-516	ABC Salon	08-12-2010	26	227	-506.65	78.79
719	NBH-MARSH	FSBS, NABHA	18-12-2009	44	398	-519.88	86.24
720	JAG-MR-653431	FROSEN SEMEN BANK, JAGADHRI.	05-08-2012	15	122	-524.18	67.46

**Trait: 305 Day Fat Yield & Fat %**  
**Species: Buffalo**  
**Breed: Murrah**  
**Date of estimation: 9 December 2025**

Sr. No	Bull ID	Semen Station (Source)	Date of Birth	No of Daughters used in analysis	No of records used for analysis	GBV Fat Yield	GBV Fat %	REL %
1	SAG-MR-10530	SAG Bidaj	08-05-2015	38	193	35.26	-0.18	79.46
2	SAG-BM-241	SAG Bidaj	28-10-2002	140	1141	33.87	-0.09	93.84
3	RHR-MR-50138	Rahuri SS	19-07-2015	49	392	29.45	-0.42	82.27
4	SAG-MR-10426	SAG Bidaj	08-07-2012	91	722	26.44	-0.01	90.14
5	HBR-194486	Hisar BSS	02-10-2015	47	312	25.74	-0.01	83.3
6	RHR-MR-50038	Rahuri SS	15-06-2013	40	295	25.11	-0.21	80.08
7	SAG-MR-10450	SAG Bidaj	05-12-2013	64	496	23.32	-0.19	86.62
8	SAG-MR-10483	SAG Bidaj	18-09-2014	58	350	22.77	0.05	84.78
9	SAG-MR-10448	SAG Bidaj	28-09-2013	65	439	22.67	-0.2	86.96
10	SAG-BM-392	SAG Bidaj	01-08-2011	70	585	22.58	-0.12	87.69
11	SAG-BM-388	SAG Bidaj	09-01-2011	58	486	22.05	0.04	85.43
12	ABC-SM-410	ABC Salon	05-10-2008	28	232	21.78	-0.08	77.26
13	GUR-MR-257	FROSEN SEMEN BANK, GURGAON.	20-08-2008	22	160	21.6	-0.52	75.28
14	ALM-MR-40093	ALAMADHI SEMEN STATION	05-01-2014	49	348	21.47	-0.29	82.74
15	RHR-MR-50144	Rahuri SS	11-11-2015	41	329	21.29	-0.39	81.02
16	SAG-MR-10481	SAG Bidaj	01-11-2014	79	525	21.13	0.03	89.16
17	HIS-M-416	FROSEN SEMEN BANK, HISSAR	29-04-2014	34	229	20.86	-0.49	79.9
18	HIS-PC-574	FROSEN SEMEN BANK, HISSAR	11-11-2009	167	1226	20.31	0.32	94.93
19	SAG-MR-10437	SAG Bidaj	01-08-2014	66	465	19.36	-0.24	86.78
20	NBH-MIRAJ	FSBS, NABHA	01-07-2012	42	342	18.57	0.01	83.7
21	ROH-RM-004	ROHTAK SEMEN STATION, ROHTAK	09-09-2010	85	724	18.54	-0.01	90.03
22	SAG-BM-381	SAG Bidaj	14-10-2010	72	604	18.33	-0.26	87.5
23	SAG-BM-376	SAG Bidaj	08-10-2010	64	560	18.32	0.16	86.22
24	HIS-M-466	FROSEN SEMEN BANK, HISSAR	14-08-2015	65	418	17.51	0.08	86.03

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25	SAG-MR-10485	SAG Bidaj	11-03-2015	48	284	17.36	-0.02	82.04
26	SAG-MR-10509	SAG Bidaj	14-12-2014	47	300	17.04	-0.39	82.36
27	SAG-MR-10434	SAG Bidaj	12-11-2011	75	620	16.23	-0.1	88.5
28	HIS-PC-476	FROSEN SEMEN BANK, HISSAR	23-07-2008	23	178	15.83	-0.23	78.75
29	GUR-552762	FROSEN SEMEN BANK, GURGAON.	20-12-2011	40	289	15.56	0.65	80.68
30	SAG-BM-131	SAG Bidaj	22-07-1996	20	201	15.41	-0.08	75.83
31	SAG-BM-333	SAG Bidaj	03-06-2008	99	934	15.35	0.14	91.58
32	SAG-MR-10418	SAG Bidaj	19-12-2012	68	512	15.19	-0.27	86.9
33	SAG-MR-10517	SAG Bidaj	10-08-2014	48	296	14.99	-0.33	83.73
34	SAG-MR-10425	SAG Bidaj	09-03-2012	80	620	14.98	-0.2	88.85
35	SAG-BM-236	SAG Bidaj	08-08-2003	173	1376	14.74	0.01	95.04
36	ABC-SM-709	ABC Salon	25-09-2012	55	465	14.65	-0.04	87.41
37	SAG-MR-10518	SAG Bidaj	22-07-2014	57	363	14.65	-0.31	85.41
38	SAG-MR-10467	SAG Bidaj	08-08-2014	66	461	14.42	-0.26	86.92
39	SAG-MR-10480	SAG Bidaj	25-09-2014	42	297	13.99	-0.19	81.36
40	NBH-MASTANA	FSBS, NABHA	28-08-2007	27	205	13.71	0.12	77.41
41	ROP-MOIN	FSS,ROPAR	04-11-2012	40	303	13.61	-0.05	81.23
42	HIS-8864	FROSEN SEMEN BANK, HISSAR	05-12-2010	31	255	13.39	0.02	80.98
43	SAG-MR-10420	SAG Bidaj	22-08-2012	78	649	13.29	0.1	88.28
44	SAG-BM-347	SAG Bidaj	09-10-2009	131	1178	13.24	0.05	94.62
45	SAG-MR-10469	SAG Bidaj	03-08-2014	52	323	13.23	-0.17	83.81
46	ABC-SM-620	ABC Salon	03-07-2012	41	325	12.96	0.15	81.64
47	GUR-MR-81536	FROSEN SEMEN BANK, GURGAON.	10-12-2012	44	322	12.76	0.02	83.13
48	RHR-MR-50134	Rahuri SS	21-09-2013	42	348	12.55	-0.27	82.73
49	RHR-MR-50036	Rahuri SS	25-09-2013	35	247	12.08	-0.35	79.75
50	ABC-SM-406	ABC Salon	02-08-2008	28	204	11.77	-0.47	79.7
51	ABC-SM-931	ABC Salon	27-10-2014	35	240	11.76	-0.24	79.78
52	SAG-BM-372	SAG Bidaj	03-11-2010	78	712	11.66	0.06	89.17
53	SAG-MR-10508	SAG Bidaj	15-05-2015	56	328	11.64	-0.28	83.72

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54	GUR-PC-467	FROSEN SEMEN BANK, GURGAON.	15-08-2008	29	217	11.57	0.2	76.12
55	SAG-MR-10510	SAG Bidaj	01-05-2015	56	329	11.41	-0.14	84.56
56	SAG-MR-10455	SAG Bidaj	27-11-2013	47	246	11.35	0.18	80.95
57	RHR-MR-50042	Rahuri SS	26-07-2014	32	236	11.33	-0.06	77.24
58	ABC-SM-971	ABC Salon	24-07-2015	37	241	11.24	-0.07	78.81
59	ALM-MR-40092	ALAMADHI SEMEN STATION	01-08-2013	34	267	10.95	-0.26	79.02
60	JAG-MR-73056	FROSEN SEMEN BANK, JAGADHRI.	12-03-2012	35	221	10.88	-0.04	78.44
61	SAG-BM-377	SAG Bidaj	21-10-2011	75	608	10.85	-0.01	89.52
62	SAG-MR-10435	SAG Bidaj	13-07-2013	78	672	10.8	-0.29	89.17
63	SAG-BM-260	SAG Bidaj	01-12-2004	146	1165	10.78	-0.23	94.19
64	NBH-MANALI	FSBS, NABHA	04-08-2011	28	223	10.73	0.05	76.23
65	SAG-BM-307	SAG Bidaj	25-12-2007	105	919	10.73	-0.15	92.77
66	SAG-BM-402	SAG Bidaj	06-09-2011	62	514	10.58	0.1	87.04
67	ALM-MR-40162	ALAMADHI SEMEN STATION	09-09-2013	53	424	10.56	-0.14	84.48
68	NBH-MASTER	FSBS, NABHA	29-09-2007	30	250	10.43	0.05	80.97
69	SAG-BM-409	SAG Bidaj	20-12-2011	59	497	10.38	-0.06	85.12
70	NBH-MOR	FSBS, NABHA	05-11-2011	32	239	10.32	0.11	78.01
71	HIS-PC-474	FROSEN SEMEN BANK, HISSAR	22-12-2008	49	373	10.22	0.59	85.53
72	NBH-MANGO	FSBS, NABHA	27-07-2009	30	224	10.09	0.34	82.78
73	NBH-MOHIT	FSBS, NABHA	10-01-2008	46	371	9.85	0.37	84.95
74	ROH-RM-003	ROHTAK SEMEN STATION, ROHTAK	08-08-2010	100	907	9.71	0.44	91.05
75	NBH-MARINA	FSBS, NABHA	27-02-2009	31	214	9.55	0.48	77.63
76	HIS-154-M	FROSEN SEMEN BANK, HISSAR	02-06-2009	37	304	9.55	0.39	83.28
77	ROP-MELODY	FSS,ROPAR	01-01-2010	45	369	9.53	-0.1	85.64
78	NBH-MESSY	FSBS, NABHA	10-12-2011	50	403	9.39	0.12	84.37

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79	RHR-MR-50044	Rahuri SS	12-12-2014	55	419	9.37	-0.2	85.06
80	SAG-BM-342	SAG Bidaj	09-11-2009	84	746	9.32	-0.03	91.59
81	ABC-SM-646	ABC Salon	18-11-2012	31	246	9.16	-0.1	81.71
82	NBH-MONU	FSBS, NABHA	27-10-2012	42	342	9.13	-0.13	84.63
83	HIS-70577	FROSEN SEMEN BANK, HISSAR	02-10-2007	59	430	9.1	0.2	89.83
84	HIS-102699	FROSEN SEMEN BANK, HISSAR	04-11-2012	169	1328	9.02	0.07	94.78
85	NBH-MULLA	FSBS, NABHA	20-08-2008	121	934	8.82	0.13	92.73
86	ABC-SM-667	ABC Salon	11-06-2013	60	462	8.66	-0.32	87.14
87	SAG-MR-10459	SAG Bidaj	25-06-2014	74	577	8.64	-0.18	88.08
88	SAG-MR-10441	SAG Bidaj	05-09-2012	64	518	8.54	-0.16	86.46
89	GUR-MR-250	FROSEN SEMEN BANK, GURGAON.	07-11-2010	55	432	8.43	0.2	86.79
90	ALM-MR-40059	ALAMADHI SEMEN STATION	02-02-2013	44	345	8.38	-0.2	83.61
91	ALM-MR-40095	ALAMADHI SEMEN STATION	01-07-2013	57	450	8.31	-0.02	85.82
92	ROH-RM-001	ROHTAK SEMEN STATION, ROHTAK	31-05-2010	81	748	8.26	0.37	89.74
93	NBH-MAYUR	FSBS, NABHA	10-09-2012	64	531	8.04	0.18	87.36
94	ABC-SM-609	ABC Salon	19-10-2011	27	220	8.03	-0.04	77.15
95	SAG-MR-10476	SAG Bidaj	07-09-2014	79	561	7.96	-0.38	89.13
96	HIS-M-444	FROSEN SEMEN BANK, HISSAR	09-11-2014	51	348	7.88	0.35	84.23
97	ABC-SM-590	ABC Salon	27-10-2012	46	328	7.75	-0.12	81.65
98	ABC-SM-645	ABC Salon	20-01-2013	43	306	7.61	-0.09	85.27
99	ABC-SM-686	ABC Salon	13-01-2013	40	340	7.31	-0.17	84.31
100	SAG-MR-10489	SAG Bidaj	02-07-2015	47	280	7.09	-0.43	82.13
101	NBH-MAGIC	FSBS, NABHA	09-09-2012	39	320	7	-0.54	80.66
102	HIS-M-418	FROSEN SEMEN BANK, HISSAR	25-05-2014	40	280	6.99	0.17	82.17
103	HIS-75355	FROSEN SEMEN	08-01-2011	41	321	6.99	0.16	84.4

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		BANK, HISSAR						
104	SAG-BM-362	SAG Bidaj	26-08-2010	77	704	6.86	-0.01	89.42
105	SAG-MR-10505	SAG Bidaj	07-05-2015	30	162	6.85	0.36	75.28
106	ROH-RM-030	ROHTAK SEMEN STATION, ROHTAK	02-12-2010	95	773	6.82	0.18	90.39
107	ROP-MALO	FSS,ROPAR	10-11-2009	48	409	6.77	0.26	86.4
108	HIS-M-384	FROSEN SEMEN BANK, HISSAR	06-07-2013	54	376	6.76	0.03	85.42
109	GUR-PC-964	FROSEN SEMEN BANK, GURGAON.	15-10-2010	46	348	6.72	0.59	84.37
110	ABC-SM-398	ABC Salon	16-11-2007	36	283	6.68	0.04	82.73
111	SAG-BM-349	SAG Bidaj	07-08-2009	97	868	6.66	0.16	91.45
112	SAG-MR-10488	SAG Bidaj	01-09-2014	53	290	6.66	-0.25	83.06
113	SAG-SM-517	ABC Salon	03-01-2011	31	229	6.46	0.05	80.52
114	SAG-BM-380	SAG Bidaj	10-12-2010	65	556	6.27	0.18	86.25
115	SAG-BM-399	SAG Bidaj	08-08-2011	66	503	6	0.19	87.24
116	NBH-MAST	FSBS, NABHA	07-07-2011	37	302	5.96	0	81.15
117	HIS-MR-321	FROSEN SEMEN BANK, HISSAR	25-12-2011	66	525	5.91	-0.07	88.41
118	ROP-MAX	FSS,ROPAR	05-11-2009	40	310	5.81	-0.09	85.63
119	ROP-MIAN	FSS,ROPAR	21-07-2009	42	363	5.76	-0.12	85.03
120	ABC-SM-610	ABC Salon	12-11-2011	23	181	5.69	-0.22	76.33
121	ABC-SM-358	ABC Salon	21-10-2007	23	192	5.68	-0.27	76.21
122	ROH-RM-005	ROHTAK SEMEN STATION, ROHTAK	29-09-2010	86	802	5.64	0.1	90.11
123	HIS-PC-718	FROSEN SEMEN BANK, HISSAR	10-04-2010	34	253	5.6	0.45	82.51
124	RHR-MR-50040	Rahuri SS	10-09-2012	54	380	5.6	-0.2	83.42
125	SAG-BM-271	SAG Bidaj	29-08-2004	72	717	5.55	-0.31	89.99
126	SAG-BM-369	SAG Bidaj	20-09-2010	71	605	5.52	0.11	87.72
127	SAG-BM-373	SAG Bidaj	06-07-2010	63	561	5.47	0.08	86.34
128	NBH-MAGHI	FSBS, NABHA	30-09-2009	32	231	5.39	0.33	83.74
129	HBR-530155	Hisar BSS	08-06-2013	33	233	5.38	0.11	77.57
130	SAG-BM-317	SAG Bidaj	29-09-2007	74	691	5.33	0.03	90.26
131	NBH-MOONGA	FSBS, NABHA	27-07-2009	31	248	5.18	0.01	79.84
132	SAG-BM-368	SAG Bidaj	20-10-2010	70	607	4.92	0.28	88.38
133	ROH-RM-016	ROHTAK SEMEN	20-09-2010	57	490	4.88	-0.18	86.15

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		STATION, ROHTAK						
134	HBR-335640	Hisar BSS	14-09-2014	26	190	4.78	0.14	75.41
135	ABC-SM-592	ABC Salon	21-01-2012	39	317	4.78	-0.15	84.46
136	ABC-SM-707	ABC Salon	16-09-2012	31	248	4.76	-0.01	79.21
137	SAG-BM-397	SAG Bidaj	20-01-2011	80	657	4.73	0.08	88.98
138	ROH-RM-013	ROHTAK SEMEN STATION, ROHTAK	20-08-2010	96	820	4.65	0.03	91.62
139	ABC-SM-701	ABC Salon	06-08-2012	61	476	4.63	-0.18	87.67
140	NBH-MAPPLE	FSBS, NABHA	25-09-2011	40	322	4.59	0.05	84.56
141	SAG-MR-10466	SAG Bidaj	23-08-2014	91	667	4.53	-0.19	89.47
142	SAG-MR-10424	SAG Bidaj	03-09-2012	71	583	4.49	0.17	88.21
143	SAG-HEERA	SAG Bidaj	09-09-2012	52	437	4.47	-0.39	87.25
144	ROH-RM-007	ROHTAK SEMEN STATION, ROHTAK	14-08-2010	70	647	4.43	0	87.99
145	HIS-MR-1029	FROSEN SEMEN BANK, HISSAR	08-02-2011	102	786	4.33	-0.17	92.29
146	GUR-MR-224	FROSEN SEMEN BANK, GURGAON.	01-07-2008	30	221	4.32	0.04	79.03
147	HIS-312634	FROSEN SEMEN BANK, HISSAR	05-12-2010	47	377	4.31	-0.4	86.93
148	NBH-MADHAV	FSBS, NABHA	18-07-2007	25	176	4.29	0.68	77.2
149	RHR-MR-50037	Rahuri SS	20-07-2013	31	201	4.27	0	76
150	SAG-BM-116	SAG Bidaj	14-09-1995	52	485	4.12	0.12	88.31
151	NBH-MUKAT	FSBS, NABHA	10-10-2007	22	143	4.07	0.26	75.21
152	SAG-MR-10423	SAG Bidaj	07-03-2011	81	697	4.04	-0.03	89.2
153	ABC-SM-466	ABC Salon	14-12-2009	26	224	3.98	0.15	81.1
154	SAG-BM-246	SAG Bidaj	01-09-2003	34	314	3.97	-0.09	84.53
155	SAG-MR-10442	SAG Bidaj	21-01-2012	67	503	3.93	0.18	87.38
156	ABC-SM-616	ABC Salon	16-09-2012	27	221	3.91	0.04	78.99
157	SAG-BM-396	SAG Bidaj	25-07-2011	68	579	3.85	-0.1	86.95
158	SAG-BM-297	SAG Bidaj	13-04-2006	109	1044	3.82	-0.36	93.11
159	ABC-SM-664	ABC Salon	01-07-2013	23	176	3.74	-0.28	75.78
160	ABC-SM-355	ABC Salon	15-09-2007	26	209	3.73	-0.15	78.91
161	SAG-MR-10460	SAG Bidaj	15-10-2014	43	261	3.53	0.02	81.2
162	ABC-SM-641	ABC Salon	18-12-2012	30	233	3.53	-0.07	75.89
163	ROP-MILANO	FSS,ROPAR	09-09-2009	48	379	3.51	-0.15	87.07

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164	ALM-MR-40102	ALAMADHI SEMEN STATION	05-01-2014	39	286	3.36	-0.26	80.57
165	SAG-BM-398	SAG Bidaj	15-11-2011	99	821	3.33	-0.16	90.51
166	HIS-314269	FROSEN SEMEN BANK, HISSAR	07-08-2011	45	339	3.32	0.12	84.85
167	HIS-151-M	FROSEN SEMEN BANK, HISSAR	04-04-2009	42	314	3.2	0.44	85.48
168	ABC-SM-391	ABC Salon	27-09-2007	30	224	3.16	0.04	79.35
169	SAG-MR-10499	SAG Bidaj	05-03-2015	32	178	3.08	-0.14	76.95
170	SAG-MR-10479	SAG Bidaj	13-10-2014	61	434	3.03	-0.06	86.19
171	SAG-MR-10470	SAG Bidaj	15-10-2014	77	601	3.03	-0.35	89.05
172	SAG-MR-10411	SAG Bidaj	08-07-2011	82	701	3.01	-0.06	89.01
173	SAG-MR-10523	SAG Bidaj	10-12-2014	122	723	2.9	0.11	91.76
174	ROH-RM-026	ROHTAK SEMEN STATION, ROHTAK	02-07-2010	69	555	2.82	0.04	87.26
175	SAG-BM-272	SAG Bidaj	02-10-2004	86	766	2.82	-0.11	91.71
176	SAG-BM-374	SAG Bidaj	20-05-2011	69	585	2.78	0.12	87.5
177	SAG-BM-401	SAG Bidaj	20-08-2011	67	569	2.73	-0.38	87.31
178	SAG-BM-225	SAG Bidaj	28-01-2001	52	469	2.6	0.08	88.64
179	SAG-MR-10475	SAG Bidaj	30-09-2014	67	504	2.53	-0.1	86.87
180	SAG-MR-10471	SAG Bidaj	11-02-2015	72	543	2.41	-0.23	87.48
181	ABC-SM-400	ABC Salon	16-12-2007	33	279	2.3	0.04	84.28
182	SAG-BM-242	SAG Bidaj	18-08-2003	70	667	2.24	-0.17	89.33
183	HIS-PC-461	FROSEN SEMEN BANK, HISSAR	09-09-2008	29	190	2.22	0.68	85.46
184	SAG-MR-10415	SAG Bidaj	18-09-2012	87	697	2.06	0.05	89.32
185	NBH-MITHU	FSBS, NABHA	18-08-2009	32	240	1.89	0.4	79.57
186	SAG-MR-10449	SAG Bidaj	09-10-2013	67	481	1.84	-0.1	86.92
187	ABC-SM-394	ABC Salon	29-08-2007	29	237	1.77	0.19	81.93
188	SAG-MR-10439	SAG Bidaj	31-01-2014	57	446	1.76	-0.57	86.39
189	HIS-MR-102699	FROSEN SEMEN BANK, HISSAR	04-11-2012	92	761	1.69	-0.01	92.24
190	SAG-MR-10444	SAG Bidaj	23-10-2011	55	350	1.66	-0.13	84.22

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191	NBH-MASON	FSBS, NABHA	11-09-2007	33	247	1.64	-0.01	82.27
192	HIS-150-M	FROSEN SEMEN BANK, HISSAR	02-04-2009	142	923	1.55	-0.08	93.22
193	SAG-BM-248	SAG Bidaj	22-09-2004	58	534	1.52	-0.4	89.04
194	ABC-SM-325	ABC Salon	13-01-2007	21	153	1.45	0.13	75.82
195	NBH-MISHRI	FSBS, NABHA	12-08-2010	36	296	1.38	0.29	81.95
196	SAG-BM-243	SAG Bidaj	02-08-2003	69	586	1.18	-0.07	90.41
197	HIS-PC-483	FROSEN SEMEN BANK, HISSAR	21-06-2007	35	257	1.15	0.07	83.4
198	GUR-PC-692	FROSEN SEMEN BANK, GURGAON.	02-10-2009	34	264	1.09	0.08	79.82
199	ABC-SM-642	ABC Salon	10-10-2012	27	218	0.99	0.07	80.83
200	SAG-MR-10493	SAG Bidaj	26-07-2015	48	322	0.92	-0.23	83.25
201	HIS-105144	FROSEN SEMEN BANK, HISSAR	08-08-2009	191	1444	0.87	0.14	95.38
202	SAG-MR-10429	SAG Bidaj	20-08-2012	61	421	0.87	0.07	86.14
203	SAG-MR-10410	SAG Bidaj	25-10-2011	84	679	0.84	-0.11	89.49
204	ROH-RM-019	ROHTAK SEMEN STATION, ROHTAK	24-09-2010	80	711	0.77	0	89.28
205	SAG-MR-10438	SAG Bidaj	04-01-2014	80	641	0.74	0.06	88.96
206	NBH-MOTI	FSBS, NABHA	07-01-2011	24	192	0.74	-0.16	79.47
207	NBH-MAFIA	FSBS, NABHA	22-08-2012	44	358	0.68	0.19	82.44
208	ABC-SM-513	ABC Salon	08-11-2009	25	208	0.66	0.11	77.79
209	SAG-BM-356	SAG Bidaj	18-08-2010	56	507	0.52	0.26	86.01
210	SAG-BM-288	SAG Bidaj	09-10-2005	33	314	0.36	0.12	83.81
211	HBR-420605	Hisar BSS	16-09-2013	33	223	0.29	0.2	77.43
212	ROP-MARUTI	FSS,ROPAR	18-09-2009	27	214	0.24	-0.07	79.67
213	NBH-MATRU	FSBS, NABHA	18-04-2007	31	238	0.22	0.06	82.1
214	SAG-MR-10428	SAG Bidaj	25-11-2011	73	602	0.17	-0.14	88.71
215	ABC-SM-493	ABC Salon	20-09-2009	26	215	0.09	-0.17	79.69
216	HIS-451586	FROSEN SEMEN BANK, HISSAR	02-01-2014	41	304	0.04	0.26	82.8
217	NBH-MEDAL	FSBS, NABHA	16-10-2009	53	361	-0.06	-0.19	84.63
218	SAG-BM-335	SAG Bidaj	03-10-2008	80	750	-0.11	0.07	89.93

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219	SAG-MR-10416	SAG Bidaj	23-12-2011	99	855	-0.18	0.04	91.01
220	SAG-MR-10431	SAG Bidaj	08-08-2012	81	650	-0.27	-0.17	89.05
221	HIS-73114	FROSEN SEMEN BANK, HISSAR	15-01-2010	50	344	-0.33	0.21	85.56
222	SAG-BM-343	SAG Bidaj	26-01-2009	91	843	-0.48	0.29	90.02
223	ROP-MILAP	FSS,ROPAR	14-12-2010	45	372	-0.56	-0.01	85.45
224	SAG-BM-331	SAG Bidaj	21-01-2009	64	593	-0.63	-0.15	89.26
225	ALM-MR-40063	ALAMADHI SEMEN STATION	02-08-2012	43	341	-0.64	-0.03	84.6
226	HIS-MR-1116	FROSEN SEMEN BANK, HISSAR	08-07-2011	33	287	-0.64	-0.05	80.68
227	NBH-MEER	FSBS, NABHA	01-11-2009	47	369	-0.67	0.22	87.67
228	NBH-MAKHAN	FSBS, NABHA	20-08-2009	57	427	-0.78	-0.01	88.21
229	SAG-BM-306	SAG Bidaj	29-06-2003	39	389	-0.87	-0.22	84.09
230	ROH-RM-010	ROHTAK SEMEN STATION, ROHTAK	16-10-2010	98	946	-1.12	0.2	91.83
231	NBH-MALINGA	FSBS, NABHA	01-12-2009	37	280	-1.16	-0.1	81.89
232	NBH-MALANG	FSBS, NABHA	03-09-2010	41	337	-1.23	-0.12	81.5
233	ABC-SM-640	ABC Salon	01-02-2013	31	284	-1.3	0.1	81.09
234	SAG-BM-316	SAG Bidaj	02-01-2007	65	611	-1.36	-0.01	88.32
235	SAG-MR-10457	SAG Bidaj	02-12-2013	85	665	-1.39	-0.1	89.86
236	ROH-RM-031	ROHTAK SEMEN STATION, ROHTAK	10-10-2012	56	471	-1.44	0.09	85.73
237	NBH-MOOLI	FSBS, NABHA	14-12-2010	35	263	-1.45	0.39	83.55
238	SAG-BM-353	SAG Bidaj	01-10-2010	74	649	-1.48	0.1	89.38
239	SAG-BM-42	SAG Bidaj	25-10-1987	31	304	-1.61	-0.33	85.01
240	NBH-MAGNUM	FSBS, NABHA	30-09-2014	34	242	-1.79	0.14	79.78
241	ROP-MIKADO	FSS,ROPAR	15-12-2009	28	228	-2.01	0.04	80.82
242	SAG-BM-231	SAG Bidaj	22-11-2002	37	356	-2.11	-0.18	83.64
243	NBH-MACHHAR	FSBS, NABHA	26-06-2007	35	257	-2.18	0.14	84.63
244	ABC-SM-608	ABC Salon	16-09-2011	37	260	-2.24	0.09	81.44
245	ABC-SM-740	ABC Salon	17-08-2013	124	1011	-2.38	-0.04	93.15
246	SAG-BM-391	SAG Bidaj	08-08-2011	60	515	-2.45	0.06	85.55
247	SAG-BM-311	SAG Bidaj	30-07-2006	64	594	-2.49	0	88.79
248	NBH-MUKRI	FSBS, NABHA	02-01-2008	28	212	-2.56	0.16	79.05

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249	ALM-MR-40058	ALAMADHI SEMEN STATION	10-10-2012	64	468	-2.59	0.14	88.08
250	GUR-MR-1211	FROSEN SEMEN BANK, GURGAON.	15-08-2011	61	463	-2.59	0.01	88.07
251	NBH-MAGNET	FSBS, NABHA	11-10-2009	36	241	-2.6	-0.3	83.84
252	ABC-SM-392	ABC Salon	25-11-2007	36	279	-2.65	0.53	82.96
253	ABC-SM-703	ABC Salon	10-10-2011	36	308	-2.66	0.09	81.74
254	NBH-MINHAS	FSBS, NABHA	01-07-2010	37	271	-2.66	0.01	80.82
255	ROP-MIRZA	FSS,ROPAR	22-10-2009	44	329	-2.67	-0.08	84.63
256	HIS-PC-575	FROSEN SEMEN BANK, HISSAR	02-09-2009	133	1000	-2.83	0.06	92.88
257	NBH-SONY	FSBS, NABHA	27-09-2009	246	1991	-2.89	0.06	95.75
258	SAG-BM-408	SAG Bidaj	05-01-2011	105	846	-2.92	0.03	90.69
259	SAG-BM-251	SAG Bidaj	12-09-2004	100	961	-2.94	-0.05	92.02
260	ALM-MR-40097	ALAMADHI SEMEN STATION	01-10-2013	32	225	-3.06	-0.13	77.42
261	NBH-MOJI	FSBS, NABHA	05-08-2008	22	180	-3.09	0.07	75.52
262	SAG-BM-406	SAG Bidaj	31-07-2012	79	653	-3.38	0.06	89.16
263	SAG-MR-10484	SAG Bidaj	14-02-2014	42	281	-3.58	-0.26	81.1
264	SAG-BM-352	SAG Bidaj	15-08-2010	50	423	-3.66	0.05	84.78
265	HIS-72850	FROSEN SEMEN BANK, HISSAR	22-09-2008	171	1049	-3.66	-0.01	93.98
266	NBH-BOND	FSBS, NABHA	28-07-2008	58	487	-3.78	0.38	87.92
267	ABC-SM-611	ABC Salon	03-01-2012	29	221	-4.11	-0.22	78.38
268	SAG-BM-290	SAG Bidaj	29-08-2004	48	463	-4.35	0.08	86.21
269	SAG-BM-403	SAG Bidaj	10-01-2011	59	476	-4.39	-0.07	86.03
270	SAG-BM-319	SAG Bidaj	16-09-2007	66	619	-4.41	-0.06	90.51
271	HIS-MR-102622	FROSEN SEMEN BANK, HISSAR	06-10-2012	45	335	-4.42	0.28	84.18
272	SAG-BM-264	SAG Bidaj	10-05-2005	142	1181	-4.64	-0.08	94.46
273	SAG-BM-310	SAG Bidaj	15-09-2007	77	694	-4.65	-0.02	89.94
274	ABC-SM-395	ABC Salon	02-09-2007	45	387	-4.66	0.23	86.43
275	SAG-BM-274	SAG Bidaj	28-03-2005	85	830	-4.68	-0.01	92
276	ABC-SM-710	ABC Salon	06-10-2012	47	386	-4.69	-0.07	85.63
277	NBH-MITTAR	FSBS, NABHA	10-06-2011	45	360	-4.72	0.06	87.33
278	SAG-BM-252	SAG Bidaj	24-11-2004	54	458	-4.72	-0.03	87.37
279	ROH-RM-032	ROHTAK SEMEN STATION, ROHTAK	01-11-2012	68	543	-4.72	-0.11	87.62

<b>Sr. No</b>	<b>Bull ID</b>	<b>Semen Station (Source)</b>	<b>Date of Birth</b>	<b>No of Daughters used in analysis</b>	<b>No of records used for analysis</b>	<b>GBV Fat Yield</b>	<b>GBV Fat %</b>	<b>REL %</b>
280	ABC-SM-660	ABC Salon	09-11-2012	33	264	-4.75	0.09	83.32
281	SAG-MR-10477	SAG Bidaj	08-11-2014	50	317	-4.81	-0.16	83.57
282	GUR-296103	FROSEN SEMEN BANK, GURGAON.	09-08-2011	33	260	-4.9	0.19	78.84
283	SAG-BM-358	SAG Bidaj	28-08-2010	106	1012	-5	0.23	91.84
284	ABC-SM-662	ABC Salon	10-07-2012	42	349	-5.03	0.07	85.05
285	NBH-MOFAR	FSBS, NABHA	20-06-2006	33	252	-5.07	0.43	82.05
286	HIS-72852	FROSEN SEMEN BANK, HISSAR	01-10-2008	26	204	-5.08	-0.17	77.02
287	SAG-MR-10440	SAG Bidaj	15-09-2013	89	658	-5.13	-0.34	90.02
288	ABC-SM-514	ABC Salon	26-09-2010	20	161	-5.14	0.12	75.51
289	SAG-MR-10453	SAG Bidaj	23-07-2013	41	237	-5.22	-0.19	81.4
290	ABC-SM-591	ABC Salon	12-02-2012	25	200	-5.34	0.15	75.82
291	NBH-MAJID	FSBS, NABHA	28-07-2010	43	337	-5.49	0	84.02
292	SAG-BM-255	SAG Bidaj	17-10-2004	60	573	-5.51	0.07	88.43
293	SAG-BM-266	SAG Bidaj	17-09-2004	119	1079	-5.53	0.2	93.22
294	SAG-BM-40	SAG Bidaj	10-02-1986	23	200	-5.58	-0.14	89.57
295	ABC-SM-409	ABC Salon	05-09-2008	41	309	-5.59	-0.04	83.65
296	HIS-155-M	FROSEN SEMEN BANK, HISSAR	02-06-2009	29	218	-5.63	-0.08	82.2
297	SAG-BM-293	SAG Bidaj	18-11-2005	78	743	-5.77	-0.07	91.23
298	SAG-MR-10421	SAG Bidaj	28-09-2012	64	499	-5.77	-0.15	86.29
299	NBH-MURARI	FSBS, NABHA	19-06-2009	51	384	-5.9	-0.1	86.5
300	ROH-RM-020	ROHTAK SEMEN STATION, ROHTAK	15-11-2010	77	680	-5.93	0.13	88.84
301	ABC-SM-459	ABC Salon	07-09-2009	23	195	-6.01	0.41	77.22
302	HIS-PC-1899	FROSEN SEMEN BANK, HISSAR	05-08-2013	32	241	-6.1	-0.38	78.83
303	ABC-SM-704	ABC Salon	01-09-2012	43	353	-6.21	-0.04	83.24
304	HIS-PC-427	FROSEN SEMEN BANK, HISSAR	03-09-2008	98	643	-6.23	-0.31	90.09
305	ABC-SM-621	ABC Salon	16-10-2012	41	304	-6.26	0.48	84.01
306	SAG-BM-394	SAG Bidaj	05-03-2011	96	799	-6.31	-0.05	90.32
307	NBH-MULTAN	FSBS, NABHA	04-08-2012	36	275	-6.32	0.04	82.47
308	SAG-BM-378	SAG Bidaj	21-10-2011	109	943	-6.32	-0.19	92.11
309	NBH-MANSA	FSBS, NABHA	09-10-2008	33	231	-6.46	-0.08	81.87

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310	NBH-MAKBUL	FSBS, NABHA	01-09-2009	35	279	-6.47	0.17	84.23
311	HIS-PC-1942	FROSEN SEMEN BANK, HISSAR	14-12-2013	34	275	-6.54	-0.45	78.67
312	HIS-MR-296230	FROSEN SEMEN BANK, HISSAR	10-10-2011	34	211	-6.69	0.08	80.49
313	ABC-SM-665	ABC Salon	08-07-2013	40	299	-6.72	0.04	82.8
314	GUR-MR-281973	FROSEN SEMEN BANK, GURGAON.	09-08-2013	53	393	-6.99	0.21	85.15
315	ABC-SM-396	ABC Salon	06-09-2007	26	206	-7.09	0.47	79.41
316	SAG-MR-10417	SAG Bidaj	19-10-2012	79	651	-7.24	0.12	89.06
317	SAG-BM-268	SAG Bidaj	09-10-2004	100	868	-7.29	-0.01	93.11
318	SAG-MR-10430	SAG Bidaj	18-07-2012	84	664	-7.29	-0.15	89.43
319	SAG-BM-395	SAG Bidaj	20-05-2011	90	803	-7.38	0.12	90.13
320	RHR-MR-50136	Rahuri SS	06-08-2015	56	438	-7.42	-0.05	85.79
321	ROH-RM-024	ROHTAK SEMEN STATION, ROHTAK	10-09-2010	79	702	-7.45	-0.24	88.51
322	NBH-MURTZA	FSBS, NABHA	28-12-2010	43	330	-7.59	0.03	87.18
323	NBH-MEGH	FSBS, NABHA	12-09-2007	30	244	-7.72	0	80.07
324	SAG-BM-273	SAG Bidaj	25-08-2004	87	823	-7.72	-0.07	92.61
325	SAG-BM-287	SAG Bidaj	18-01-2006	63	590	-7.9	0.31	90.02
326	SAG-MR-10513	SAG Bidaj	20-05-2015	48	272	-7.96	-0.11	82.23
327	NBH-MITHUN	FSBS, NABHA	07-06-2009	36	286	-8	0.14	79.24
328	NBH-MOKSH	FSBS, NABHA	25-05-2008	40	283	-8.02	0.31	85.01
329	SAG-BM-213	SAG Bidaj	22-02-2002	27	214	-8.04	0.17	80.09
330	ABC-SM-589	ABC Salon	31-12-2011	37	262	-8.05	0.02	80.04
331	NBH-MUNISH	FSBS, NABHA	25-08-2008	37	290	-8.09	0.19	80.29
332	SAG-BM-390	SAG Bidaj	05-08-2011	86	658	-8.12	-0.08	88.99
333	ALM-MR-40064	ALAMADHI SEMEN STATION	04-11-2012	32	255	-8.16	0.08	81.08
334	ABC-SM-661	ABC Salon	06-08-2012	51	426	-8.43	0.08	85.01
335	NBH-METER	FSBS, NABHA	06-08-2008	60	434	-8.56	0.1	86.08
336	ALM-MR-40061	ALAMADHI SEMEN STATION	15-08-2012	63	498	-8.64	-0.39	86.44
337	NBH-MAJNU	FSBS, NABHA	17-08-2009	39	272	-8.91	0.08	80.9
338	SAG-BM-354	SAG Bidaj	04-07-2010	73	636	-8.91	-0.1	89.06

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339	SAG-BM-226	SAG Bidaj	17-12-2001	39	337	-8.93	-0.06	86.96
340	NBH-MADY	FSBS, NABHA	18-12-2012	34	248	-8.95	0	79.58
341	ROH-RM-009	ROHTAK SEMEN STATION, ROHTAK	08-11-2010	83	689	-8.95	-0.11	89.11
342	ABC-SM-535	ABC Salon	01-08-2011	46	356	-9.11	-0.37	83.4
343	SAG-MR-10427	SAG Bidaj	08-01-2012	48	360	-9.23	0	84.05
344	ABC-SM-299	ABC Salon	23-07-2006	22	173	-9.26	0.13	76.37
345	NBH-MAVI	FSBS, NABHA	14-05-2008	54	432	-9.36	0.04	87.04
346	NBH-MALUKA	FSBS, NABHA	10-07-2008	41	326	-9.36	-0.06	86.01
347	SAG-BM-385	SAG Bidaj	08-06-2011	82	690	-9.51	0.06	88.6
348	NBH-MEHNDI	FSBS, NABHA	02-10-2008	33	267	-9.52	-0.22	82.31
349	SAG-BM-359	SAG Bidaj	18-11-2010	88	767	-9.56	0.24	90.45
350	ABC-SM-463	ABC Salon	14-11-2009	23	173	-9.62	0.21	77.68
351	SAG-BM-262	SAG Bidaj	10-09-2005	42	380	-9.64	-0.03	85.65
352	SAG-BM-298	SAG Bidaj	04-03-2006	73	701	-9.7	0.02	91.03
353	SAG-BM-339	SAG Bidaj	14-02-2009	95	853	-9.74	-0.04	91.22
354	SAG-BM-308	SAG Bidaj	11-08-2007	75	666	-9.82	0.09	90.6
355	SAG-MR-10432	SAG Bidaj	25-06-2013	85	673	-9.84	-0.16	89.53
356	SAG-BM-370	SAG Bidaj	06-12-2010	96	808	-9.98	0.22	90.57
357	SAG-BM-303	SAG Bidaj	15-01-2007	78	734	-10.11	-0.24	91.29
358	SAG-BM-277	SAG Bidaj	15-01-2005	76	655	-10.13	0.09	91.15
359	HIS-PC-665	FROSEN SEMEN BANK, HISSAR	14-11-2009	30	207	-10.16	0.34	77.67
360	SAG-BM-223	SAG Bidaj	20-07-2001	40	347	-10.21	-0.02	86.38
361	SAG-MR-10487	SAG Bidaj	27-01-2015	48	312	-10.38	-0.52	82.86
362	ABC-SM-899	ABC Salon	08-12-2014	29	206	-10.47	-0.05	76.24
363	ABC-SM-464	ABC Salon	17-11-2009	42	321	-10.48	-0.16	83.91
364	SAG-BM-346	SAG Bidaj	09-11-2008	79	716	-10.5	0.37	89.73
365	HIS-MR-450330	FROSEN SEMEN BANK, HISSAR	02-07-2012	29	188	-10.55	-0.6	75.46
366	SAG-BM-295	SAG Bidaj	17-10-2005	96	890	-10.65	0.03	92.22
367	ABC-SM-401	ABC Salon	04-02-2008	35	282	-10.67	0.28	82.18
368	SAG-BM-294	SAG Bidaj	25-10-2005	86	861	-10.68	-0.04	91.52
369	SAG-BM-326	SAG Bidaj	25-12-2008	41	364	-10.73	0.16	86.57
370	NBH-MADHUR	FSBS, NABHA	15-09-2008	40	286	-10.74	0.22	85
371	GUR-003343	FROSEN SEMEN BANK, GURGAON.	31-07-2009	36	283	-10.78	-0.02	79.52
372	SAG-BM-292	SAG Bidaj	08-09-2005	87	821	-10.81	-0.28	91.73
373	ROH-RM-012	ROHTAK SEMEN	16-12-2010	81	749	-10.83	0.08	89.78

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		STATION, ROHTAK						
374	NBH-MUSA	FSBS, NABHA	02-01-2008	21	153	-10.85	0.15	76.18
375	NBH-MOHALI	FSBS, NABHA	02-02-2011	59	469	-10.86	-0.1	85.72
376	NBH-MANJU	FSBS, NABHA	25-07-2008	27	217	-10.98	-0.13	75.62
377	SAG-BM-312	SAG Bidaj	10-09-2007	65	592	-11.03	-0.05	89.06
378	NBH-MANAV	FSBS, NABHA	13-12-2009	31	230	-11.15	0.32	81.19
379	HIS-B-1-330	FROSEN SEMEN BANK, HISSAR	29-12-2005	67	491	-11.16	0.14	90.35
380	HIS-845511	FROSEN SEMEN BANK, HISSAR	08-01-2011	30	225	-11.17	0.35	80.03
381	SAG-BM-357	SAG Bidaj	17-09-2009	89	820	-11.21	0.21	90.59
382	SAG-BM-379	SAG Bidaj	13-11-2010	80	676	-11.21	0.11	88.93
383	NBH-MEHTA	FSBS, NABHA	26-06-2008	39	303	-11.29	0.18	81.46
384	NBH-MONTEK	FSBS, NABHA	23-05-2008	34	275	-11.32	0.26	83.07
385	ROP-MEET	FSS,ROPAR	10-07-2009	34	288	-11.33	-0.16	83.33
386	ABC-SM-404	ABC Salon	21-05-2008	32	269	-11.39	0.27	81.77
387	SAG-BM-322	SAG Bidaj	01-03-2007	59	553	-11.41	0.14	88.35
388	SAG-BM-296	SAG Bidaj	17-11-2004	72	669	-11.42	0.04	90.91
389	NBH-MOLANA	FSBS, NABHA	03-08-2009	51	396	-11.44	-0.39	84.67
390	SAG-BM-318	SAG Bidaj	05-01-2008	77	726	-11.47	0.05	91.29
391	NBH-MIRCH	FSBS, NABHA	25-12-2010	38	303	-11.6	-0.03	84.82
392	GUR-MR-720	FROSEN SEMEN BANK, GURGAON.	04-06-2010	40	310	-11.64	0.34	81.16
393	SAG-MR-10540	SAG Bidaj	12-11-2015	53	325	-11.65	-0.04	83.55
394	NBH-MAJHA	FSBS, NABHA	01-07-2008	31	236	-11.66	-0.26	80.45
395	ABC-SM-384	ABC Salon	18-07-2007	31	235	-11.73	0.07	80.75
396	NBH-MOBILE	FSBS, NABHA	02-08-2007	35	268	-11.84	0.43	83.27
397	ABC-SM-637	ABC Salon	24-02-2013	44	363	-11.94	-0.14	86.88
398	ABC-SM-622	ABC Salon	22-11-2012	29	211	-11.96	-0.01	81.07
399	RHR-MR-50125	Rahuri SS	19-04-2015	29	220	-12.06	-0.33	77.4
400	NBH-MISSILE	FSBS, NABHA	01-07-2009	41	320	-12.11	0.08	81.49
401	ROH-RM-017	ROHTAK SEMEN STATION, ROHTAK	14-10-2010	52	421	-12.2	0.07	84.14
402	SAG-BM-400	SAG Bidaj	15-07-2011	84	683	-12.22	0.23	89.76

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403	HIS-M-410	FROSEN SEMEN BANK, HISSAR	20-02-2014	28	189	-12.23	-0.25	79.01
404	NBH-MIG	FSBS, NABHA	10-09-2009	38	276	-12.34	0.1	84.55
405	ROH-RM-027	ROHTAK SEMEN STATION, ROHTAK	04-09-2010	61	529	-12.37	0.16	86.14
406	SAG-BM-393	SAG Bidaj	04-09-2011	77	640	-12.47	0.04	88.41
407	NBH-MASHAL	FSBS, NABHA	27-10-2009	33	262	-12.54	-0.26	81.26
408	ROP-MOORTI	FSS,ROPAR	05-04-2009	28	190	-12.58	0.32	77.26
409	SAG-BM-245	SAG Bidaj	31-10-2002	38	364	-12.74	-0.34	87.22
410	HIS-72860	FROSEN SEMEN BANK, HISSAR	21-11-2009	43	345	-12.82	0.25	85.89
411	SAG-BM-305	SAG Bidaj	01-09-2006	88	813	-13.15	0.06	91.44
412	ABC-SM-386	ABC Salon	20-08-2007	44	349	-13.18	0.2	85.43
413	NBH-MUDRA	FSBS, NABHA	16-07-2009	22	190	-13.26	0.09	75.34
414	NBH-MINTU	FSBS, NABHA	04-07-2007	39	280	-13.34	0.11	84.26
415	SAG-BM-299	SAG Bidaj	02-01-2006	63	601	-13.46	0.03	89.72
416	SAG-BM-258	SAG Bidaj	08-10-2003	20	180	-13.75	0.13	77.01
417	NBH-MICAL	FSBS, NABHA	29-09-2007	50	406	-13.78	-0.06	84.11
418	SAG-BM-329	SAG Bidaj	29-12-2008	63	612	-13.95	0.11	88.68
419	NBH-MATHEW	FSBS, NABHA	19-02-2009	66	492	-13.96	-0.02	87.04
420	SAG-BM-375	SAG Bidaj	30-08-2010	70	523	-14.01	0.07	87.11
421	SAG-BM-363	SAG Bidaj	14-11-2010	62	535	-14.06	-0.03	86.39
422	NBH-MUKUND	FSBS, NABHA	28-07-2006	30	224	-14.34	0.1	82.95
423	ROH-RM-018	ROHTAK SEMEN STATION, ROHTAK	27-01-2011	83	703	-14.57	0.21	90.07
424	ABC-SM-465	ABC Salon	20-11-2009	25	203	-14.92	0.43	78.05
425	SAG-BM-247	SAG Bidaj	18-05-2004	34	295	-15.32	-0.18	84.38
426	HBR-603768	Hisar BSS	20-12-2014	39	265	-15.51	0.05	79.3
427	SAG-BM-263	SAG Bidaj	17-01-2006	90	795	-16.19	0.15	91.24
428	SAG-BM-315	SAG Bidaj	21-12-2007	76	696	-16.24	-0.04	89.56
429	ABC-SM-613	ABC Salon	18-11-2011	25	206	-16.31	0	75.54
430	SAG-BM-275	SAG Bidaj	05-01-2006	67	627	-16.42	-0.24	89.97
431	ROH-RM-015	ROHTAK SEMEN STATION, ROHTAK	07-01-2011	64	531	-17.05	0.32	86.6
432	NBH-MANDU	FSBS, NABHA	05-11-2009	30	216	-17.09	0.07	81.31
433	ABC-SM-666	ABC Salon	08-09-2013	52	402	-17.29	-0.06	84.66
434	ALM-MR-40060	ALAMADHI SEMEN STATION	24-08-2012	31	254	-17.42	-0.51	76.96

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435	NBH-MUKHI	FSBS, NABHA	14-02-2009	30	216	-17.82	-0.23	76.56
436	SAG-BM-386	SAG Bidaj	09-01-2011	74	631	-17.83	-0.02	87.89
437	SAG-BM-221	SAG Bidaj	09-09-2002	48	423	-17.98	-0.09	87.97
438	SAG-BM-278	SAG Bidaj	15-08-2005	32	308	-18.02	-0.05	82.02
439	NBH-MARSHAL	FSBS, NABHA	02-10-2009	28	199	-18.15	0.13	78.66
440	SAG-BM-270	SAG Bidaj	01-09-2004	71	646	-18.19	-0.01	90.62
441	SAG-BM-332	SAG Bidaj	12-01-2008	80	770	-18.28	0	90.56
442	NBH-MATHURA	FSBS, NABHA	03-10-2007	53	433	-18.52	-0.01	88.36
443	NBH-MIKE	FSBS, NABHA	27-08-2011	28	198	-18.55	0.06	77.78
444	ABC-SM-515	ABC Salon	15-01-2010	23	197	-18.64	0.41	75.47
445	HIS-281962	FROSEN SEMEN BANK, HISSAR	18-07-2014	43	319	-18.75	-0.25	81.56
446	NBH-MELA	FSBS, NABHA	03-10-2007	38	296	-18.77	-0.03	83.9
447	SAG-MR-10464	SAG Bidaj	12-09-2014	54	379	-18.94	-0.34	84.47
448	SAG-BM-224	SAG Bidaj	01-04-2001	55	473	-18.97	-0.31	86.72
449	SAG-BM-304	SAG Bidaj	28-03-2007	97	894	-19.14	0.1	92.3
450	SAG-BM-267	SAG Bidaj	12-09-2004	26	218	-19.38	0.34	78.24
451	NBH-MINDA	FSBS, NABHA	05-04-2008	60	455	-19.97	-0.27	87.11
452	NBH-MEHAR	FSBS, NABHA	05-10-2007	35	265	-20.02	-0.24	79.18
453	NBH-MANJIT	FSBS, NABHA	18-08-2007	38	308	-20.19	0.12	85.46
454	NBH-MARCH	FSBS, NABHA	11-10-2007	34	239	-20.26	-0.11	83.53
455	NBH-MALAH	FSBS, NABHA	09-03-2009	36	280	-20.79	-0.19	80.34
456	ROH-RM-008	ROHTAK SEMEN STATION, ROHTAK	02-10-2010	51	454	-21.22	0.13	85.32
457	NBH-MAXON	FSBS, NABHA	20-09-2007	39	287	-21.27	-0.11	82.65
458	ROH-RM-006	ROHTAK SEMEN STATION, ROHTAK	25-08-2010	60	516	-21.3	-0.04	86.29
459	SAG-BM-289	SAG Bidaj	01-11-2005	72	692	-21.83	-0.15	90.81
460	ROH-RM-002	ROHTAK SEMEN STATION, ROHTAK	05-08-2010	41	250	-21.87	-0.05	79.4
461	SAG-BM-281	SAG Bidaj	11-07-2005	43	429	-22.43	-0.12	84.56
462	SAG-BM-367	SAG Bidaj	06-10-2010	69	609	-24.07	0.08	87.22
463	NBH-MOHAN	FSBS, NABHA	10-06-2012	50	397	-25.12	0.21	84.06
464	NBH-MANILA	FSBS, NABHA	05-01-2007	37	270	-25.8	-0.37	81.44

Sr. No	Bull ID	Semen Station (Source)	Date of Birth	No of Daughters used in analysis	No of records used for analysis	GBV Fat Yield	GBV Fat %	REL %
465	NBH-MUFTI	FSBS, NABHA	06-05-2012	31	242	-26.14	0	77.49
466	NBH-MOHI	FSBS, NABHA	18-08-2008	50	386	-27.46	0.04	87.12
467	SAG-BM-371	SAG Bidaj	08-10-2010	71	563	-29.09	0.14	87.19
468	NBH-MARSH	FSBS, NABHA	18-12-2009	29	211	-29.84	0.26	78.08
469	NBH-MEEDY	FSBS, NABHA	21-04-2008	64	480	-30.11	-0.33	87.5

**Trait: 305 Day SNF Yield & Fat %**

**Species: Buffalo**

**Breed: Murrah**

**Date of estimation: 9 December 2025**

Sr. No	Bull ID	Semen Station (Source)	Date of Birth	No of Daughters used in analysis	No of records used for analysis	SNF Yield GBV	SNF % GBV	REL %
1	ABC-SM-914	ANIMAL BREEDING CENTRE, SALON	04-03-2015	27	192	59.7	-2.63	76.75
2	SAG-BM-241	SABARMATI ASHRAM GAUSHALA, BIDAJ	28-10-2002	140	1126	49.13	-1.53	94.53
3	SAG-MR-10530	SABARMATI ASHRAM GAUSHALA, BIDAJ	08-05-2015	38	193	48.59	-1.9	81.42
4	RHR-MR-50038	RAHURI SEMEN STATION, AHMEDNAGAR.	15-06-2013	40	295	44.06	-1.17	82.01
5	RHR-MR-50138	RAHURI SEMEN STATION, AHMEDNAGAR.	19-07-2015	49	391	44.01	-2.09	84.11
6	SAG-MR-10535	SABARMATI ASHRAM GAUSHALA, BIDAJ	09-10-2015	27	134	38.52	-2.09	76.29
7	HBR-194486	HISAR BOVINE SPERM STATION, HARYANA	02-10-2015	47	312	36.08	-1.06	85
8	ALM-MR-40093	ALAMADHI SEMEN STATION	05-01-2014	49	348	33.58	-1.43	84.59
9	SAG-MR-10426	SABARMATI ASHRAM	08-07-2012	91	722	32.67	-1.28	91.36

Sr. No	Bull ID	Semen Station (Source)	Date of Birth	No of Daughters used in analysis	No of records used for analysis	SNF Yield GBV	SNF % GBV	REL %
		GAUSHALA, BIDAJ						
10	RHR-MR-50144	RAHURI SEMEN STATION, AHMEDNAGAR.	11-11-2015	41	329	32.54	-1.69	82.8
11	SAG-MR-10448	SABARMATI ASHRAM GAUSHALA, BIDAJ	28-09-2013	65	439	32.36	-1.37	88.39
12	SAG-BM-392	SABARMATI ASHRAM GAUSHALA, BIDAJ	01-08-2011	70	585	31.78	-1.21	89.08
13	SAG-MR-10450	SABARMATI ASHRAM GAUSHALA, BIDAJ	05-12-2013	64	496	31.2	-1.47	88.2
14	ABC-SM-410	ANIMAL BREEDING CENTRE, SALON	05-10-2008	28	231	30.68	-1.06	78.85
15	SAG-MR-10481	SABARMATI ASHRAM GAUSHALA, BIDAJ	01-11-2014	79	525	29.68	-0.77	90.45
16	SAG-BM-388	SABARMATI ASHRAM GAUSHALA, BIDAJ	09-01-2011	58	486	28.98	-0.87	87.01
17	SAG-MR-10485	SABARMATI ASHRAM GAUSHALA, BIDAJ	11-03-2015	48	284	28.67	-0.57	84.02
18	HIS-M-416	FROSEN SEMEN BANK, HISSAR	29-04-2014	34	228	28.31	-2.07	81.59
19	SAG-MR-10437	SABARMATI ASHRAM GAUSHALA, BIDAJ	01-08-2014	66	465	27.38	-1.35	88.38
20	ROH-RM-004	ROHTAK SEMEN STATION, ROHTAK	09-09-2010	85	724	26.86	-0.74	91.23
21	SAG-MR-10483	SABARMATI ASHRAM GAUSHALA, BIDAJ	18-09-2014	58	350	26.75	-1.02	86.57
22	SAG-MR-10509	SABARMATI ASHRAM GAUSHALA, BIDAJ	14-12-2014	47	300	26.18	-1.53	84.33

<b>Sr. No</b>	<b>Bull ID</b>	<b>Semen Station (Source)</b>	<b>Date of Birth</b>	<b>No of Daughters used in analysis</b>	<b>No of records used for analysis</b>	<b>SNF Yield GBV</b>	<b>SNF % GBV</b>	<b>REL %</b>
23	SAG-BM-381	SABARMATI ASHRAM GAUSHALA, BIDAJ	14-10-2010	72	603	25.87	-1.36	88.96
24	NBH-MIRAJ	FSBS, NABHA	01-07-2012	42	342	25.81	-0.73	85.39
25	SAG-MR-10418	SABARMATI ASHRAM GAUSHALA, BIDAJ	19-12-2012	68	512	24.87	-1.12	88.41
26	GUR-MR-257	FROSEN SEMEN BANK, GURGAON.	20-08-2008	22	160	24.7	-2.35	76.87
27	ROP-MOIN	FSS,ROPAR	04-11-2012	40	303	24.37	-0.46	83.05
28	ABC-SM-615	ANIMAL BREEDING CENTRE, SALON	14-11-2011	22	178	23.68	-1.24	76.06
29	ABC-SM-931	ANIMAL BREEDING CENTRE, SALON	27-10-2014	35	240	23.41	-0.79	81.55
30	SAG-BM-236	SABARMATI ASHRAM GAUSHALA, BIDAJ	08-08-2003	172	1357	23.11	-0.47	95.55
31	SAG-MR-10434	SABARMATI ASHRAM GAUSHALA, BIDAJ	12-11-2011	75	619	21.94	-0.92	89.73
32	HIS-PC-574	FROSEN SEMEN BANK, HISSAR	11-11-2009	167	1226	21.75	-0.33	95.48
33	SAG-MR-10518	SABARMATI ASHRAM GAUSHALA, BIDAJ	22-07-2014	57	363	21.57	-1.3	87.04
34	SAG-MR-10517	SABARMATI ASHRAM GAUSHALA, BIDAJ	10-08-2014	48	296	21.48	-1.39	85.49
35	SAG-BM-131	SABARMATI ASHRAM GAUSHALA, BIDAJ	22-07-1996	20	201	21.35	-0.82	77.31
36	SAG-MR-10469	SABARMATI ASHRAM GAUSHALA, BIDAJ	03-08-2014	52	323	21.29	-0.83	85.53
37	RHR-MR-50036	RAHURI SEMEN STATION, AHMEDNAGAR.	25-09-2013	35	247	20.57	-1.19	81.14

<b>Sr. No</b>	<b>Bull ID</b>	<b>Semen Station (Source)</b>	<b>Date of Birth</b>	<b>No of Daughters used in analysis</b>	<b>No of records used for analysis</b>	<b>SNF Yield GBV</b>	<b>SNF % GBV</b>	<b>REL %</b>
38	SAG-MR-10467	SABARMATI ASHRAM GAUSHALA, BIDAJ	08-08-2014	66	461	20.43	-1.2	88.41
39	ABC-SM-709	ANIMAL BREEDING CENTRE, SALON	25-09-2012	55	464	20.36	-0.7	88.24
40	HIS-8864	FROSEN SEMEN BANK, HISSAR	05-12-2010	31	255	20.18	-0.44	82.13
41	SAG-MR-10425	SABARMATI ASHRAM GAUSHALA, BIDAJ	09-03-2012	80	620	19.96	-1.12	90.19
42	SAG-MR-10508	SABARMATI ASHRAM GAUSHALA, BIDAJ	15-05-2015	56	328	19.87	-1.01	85.59
43	HIS-PC-476	FROSEN SEMEN BANK, HISSAR	23-07-2008	23	178	19.68	-1.3	79.51
44	HIS-M-466	FROSEN SEMEN BANK, HISSAR	14-08-2015	65	418	18.91	-0.75	87.69
45	JAG-MR-73056	FROSEN SEMEN BANK, JAGADHRI.	12-03-2012	35	221	18.73	-0.4	80.38
46	RHR-MR-50134	RAHURI SEMEN STATION, AHMEDNAGAR.	21-09-2013	42	347	18.49	-1.14	84.21
47	SAG-MR-10476	SABARMATI ASHRAM GAUSHALA, BIDAJ	07-09-2014	79	561	18.42	-0.94	90.44
48	SAG-MR-10480	SABARMATI ASHRAM GAUSHALA, BIDAJ	25-09-2014	42	297	18.33	-1.08	83.35
49	ALM-MR-40162	ALAMADHI SEMEN STATION	09-09-2013	53	423	18.31	-0.62	86.14
50	ALM-MR-40092	ALAMADHI SEMEN STATION	01-08-2013	34	267	18.28	-0.94	80.87
51	SAG-MR-10510	SABARMATI ASHRAM GAUSHALA, BIDAJ	01-05-2015	56	329	18.1	-0.71	86.36

<b>Sr. No</b>	<b>Bull ID</b>	<b>Semen Station (Source)</b>	<b>Date of Birth</b>	<b>No of Daughters used in analysis</b>	<b>No of records used for analyses</b>	<b>SNF Yield GBV</b>	<b>SNF % GBV</b>	<b>REL %</b>
52	GUR-MR-81536	FROSEN SEMEN BANK, GURGAON.	10-12-2012	44	322	17.98	-0.46	84.72
53	SAG-BM-260	SABARMATI ASHRAM GAUSHALA, BIDAJ	01-12-2004	146	1127	17.36	-0.89	94.82
54	NBH-MANALI	FSBS, NABHA	04-08-2011	28	223	17.35	-0.22	78.37
55	GUR-552762	FROSEN SEMEN BANK, GURGAON.	20-12-2011	40	289	17.24	0.76	82.67
56	NBH-MASTANA	FSBS, NABHA	28-08-2007	27	205	17.05	-0.35	78.92
57	SAG-BM-333	SABARMATI ASHRAM GAUSHALA, BIDAJ	03-06-2008	99	933	16.81	-0.47	92.46
58	NBH-MOHIT	FSBS, NABHA	10-01-2008	46	371	16.8	0.62	86.06
59	SAG-BM-376	SABARMATI ASHRAM GAUSHALA, BIDAJ	08-10-2010	64	560	16.73	-0.72	87.7
60	ALM-MR-40059	ALAMADHI SEMEN STATION	02-02-2013	44	345	16.58	-0.63	85.24
61	RHR-MR-50044	RAHURI SEMEN STATION, AHMEDNAGAR.	12-12-2014	55	419	16.22	-0.74	86.53
62	SAG-BM-347	SABARMATI ASHRAM GAUSHALA, BIDAJ	09-10-2009	131	1178	16.12	-0.52	95.12
63	SAG-MR-10435	SABARMATI ASHRAM GAUSHALA, BIDAJ	13-07-2013	78	670	16.04	-1.09	90.44
64	SAG-MR-10489	SABARMATI ASHRAM GAUSHALA, BIDAJ	02-07-2015	47	280	16.03	-1.08	84
65	ABC-SM-646	ANIMAL BREEDING CENTRE, SALON	18-11-2012	31	246	15.74	-0.5	82.57
66	GUR-PC-467	FROSEN SEMEN BANK, GURGAON.	15-08-2008	29	217	15.66	0	78.26
67	ABC-SM-609	ANIMAL BREEDING CENTRE, SALON	19-10-2011	27	220	15.47	-0.27	78.85

<b>Sr. No</b>	<b>Bull ID</b>	<b>Semen Station (Source)</b>	<b>Date of Birth</b>	<b>No of Daughters used in analysis</b>	<b>No of records used for analysis</b>	<b>SNF Yield GBV</b>	<b>SNF % GBV</b>	<b>REL %</b>
68	NBH-MAGIC	FSBS, NABHA	09-09-2012	39	320	15.39	-1.37	82.54
69	SAG-BM-377	SABARMATI ASHRAM GAUSHALA, BIDAJ	21-10-2011	75	608	15.32	-0.46	90.6
70	SAG-BM-307	SABARMATI ASHRAM GAUSHALA, BIDAJ	25-12-2007	105	913	15.02	-0.81	93.51
71	NBH-MASTER	FSBS, NABHA	29-09-2007	30	250	15	-0.3	82.08
72	NBH-MULLA	FSBS, NABHA	20-08-2008	121	934	14.79	0.04	93.63
73	SAG-MR-10466	SABARMATI ASHRAM GAUSHALA, BIDAJ	23-08-2014	91	667	14.77	-0.3	90.81
74	HIS-154-M	FROSEN SEMEN BANK, HISSAR	02-06-2009	37	304	14.19	0.58	84.43
75	ABC-SM-667	ANIMAL BREEDING CENTRE, SALON	11-06-2013	60	461	14.1	-1.04	88.21
76	NBH-MARINA	FSBS, NABHA	27-02-2009	31	214	13.94	0.78	79.74
77	HIS-70577	FROSEN SEMEN BANK, HISSAR	02-10-2007	59	430	13.87	0.15	90.63
78	ABC-SM-971	ANIMAL BREEDING CENTRE, SALON	24-07-2015	37	240	13.74	-0.71	80.67
79	SAG-HEERA	SABARMATI ASHRAM GAUSHALA, BIDAJ	09-09-2012	52	436	13.74	-0.83	88.51
80	NBH-MANGO	FSBS, NABHA	27-07-2009	30	224	13.69	0.4	83.6
81	SAG-MR-10441	SABARMATI ASHRAM GAUSHALA, BIDAJ	05-09-2012	64	518	13.49	-0.68	88.04
82	SAG-MR-10488	SABARMATI ASHRAM GAUSHALA, BIDAJ	01-09-2014	53	290	13.49	-0.7	85
83	SAG-MR-10420	SABARMATI ASHRAM GAUSHALA, BIDAJ	22-08-2012	78	649	13.44	-0.5	89.59
84	ABC-SM-406	ANIMAL BREEDING CENTRE, SALON	02-08-2008	28	204	13.25	-1.74	80.59
85	SAG-MR-10439	SABARMATI ASHRAM	31-01-2014	57	445	13.23	-1.03	87.9

Sr. No	Bull ID	Semen Station (Source)	Date of Birth	No of Daughters used in analysis	No of records used for analysis	SNF Yield GBV	SNF % GBV	REL %
		GAUSHALA, BIDAJ						
86	SAG-BM-409	SABARMATI ASHRAM GAUSHALA, BIDAJ	20-12-2011	59	497	13.18	-0.63	86.74
87	ROP-MELODY	FSS,ROPAR	01-01-2010	45	368	12.88	-0.66	86.6
88	SAG-BM-402	SABARMATI ASHRAM GAUSHALA, BIDAJ	06-09-2011	62	514	12.74	-0.27	88.39
89	NBH-MAYUR	FSBS, NABHA	10-09-2012	64	531	12.65	0.17	88.77
90	HIS-PC-839	FROSEN SEMEN BANK, HISSAR	10-10-2009	22	137	12.29	0.47	75.08
91	SAG-BM-373	SABARMATI ASHRAM GAUSHALA, BIDAJ	06-07-2010	63	557	12.23	0.15	87.85
92	SAG-MR-10511	SABARMATI ASHRAM GAUSHALA, BIDAJ	10-02-2015	29	146	12.11	-0.82	76.5
93	NBH-MONU	FSBS, NABHA	27-10-2012	42	342	12.05	-0.72	85.7
94	SAG-MR-10459	SABARMATI ASHRAM GAUSHALA, BIDAJ	25-06-2014	74	577	11.8	-0.79	89.56
95	ABC-SM-664	ANIMAL BREEDING CENTRE, SALON	01-07-2013	23	176	11.31	-0.58	77.09
96	ABC-SM-620	ANIMAL BREEDING CENTRE, SALON	03-07-2012	41	325	11.16	-0.44	83.4
97	RHR-MR-50042	RAHURI SEMEN STATION, AHMEDNAGAR.	26-07-2014	32	236	11.02	-0.79	79.17
98	NBH-MESSY	FSBS, NABHA	10-12-2011	50	403	10.98	-0.19	86.07
99	NBH-MAST	FSBS, NABHA	07-07-2011	37	302	10.95	-0.14	82.96
100	SAG-BM-246	SABARMATI ASHRAM GAUSHALA, BIDAJ	01-09-2003	33	304	10.93	-0.17	85.38
101	SAG-BM-372	SABARMATI ASHRAM GAUSHALA, BIDAJ	03-11-2010	78	712	10.93	-0.54	90.35
102	NBH-MOR	FSBS, NABHA	05-11-2011	32	239	10.81	-0.3	80.05
103	SAG-BM-401	SABARMATI ASHRAM	20-08-2011	67	569	10.58	-0.76	88.73

Sr. No	Bull ID	Semen Station (Source)	Date of Birth	No of Daughters used in analysis	No of records used for analysis	SNF Yield GBV	SNF % GBV	REL %
		GAUSHALA, BIDAJ						
104	HIS-M-444	FROSEN SEMEN BANK, HISSAR	09-11-2014	51	348	10.43	0.5	85.96
105	SAG-BM-342	SABARMATI ASHRAM GAUSHALA, BIDAJ	09-11-2009	84	746	9.78	-0.58	92.4
106	ABC-SM-645	ANIMAL BREEDING CENTRE, SALON	20-01-2013	43	306	9.77	-0.57	86.16
107	ROP-MILANO	FSS,ROPAR	09-09-2009	48	379	9.53	-0.32	87.88
108	HIS-M-384	FROSEN SEMEN BANK, HISSAR	06-07-2013	54	376	9.39	-0.22	87
109	ABC-SM-592	ANIMAL BREEDING CENTRE, SALON	21-01-2012	39	317	9.12	-0.46	85.3
110	ALM-MR-40095	ALAMADHI SEMEN STATION	01-07-2013	57	450	9.05	-0.49	87.29
111	SAG-MR-10470	SABARMATI ASHRAM GAUSHALA, BIDAJ	15-10-2014	77	601	8.97	-0.78	90.36
112	NBH-MAGHI	FSBS, NABHA	30-09-2009	32	231	8.67	0.61	84.45
113	GUR-MR-224	FROSEN SEMEN BANK, GURGAON.	01-07-2008	30	221	8.65	0.03	80.49
114	SAG-BM-362	SABARMATI ASHRAM GAUSHALA, BIDAJ	26-08-2010	77	702	8.51	-0.35	90.51
115	GUR-MR-250	FROSEN SEMEN BANK, GURGAON.	07-11-2010	55	432	8.46	0	87.97
116	SAG-MR-10411	SABARMATI ASHRAM GAUSHALA, BIDAJ	08-07-2011	82	701	8.38	-0.11	90.34
117	SAG-MR-10455	SABARMATI ASHRAM GAUSHALA, BIDAJ	27-11-2013	47	246	8.29	-0.33	83.06
118	ABC-SM-358	ANIMAL BREEDING CENTRE, SALON	21-10-2007	23	192	8.22	-0.86	77.52

<b>Sr. No</b>	<b>Bull ID</b>	<b>Semen Station (Source)</b>	<b>Date of Birth</b>	<b>No of Daughters used in analysis</b>	<b>No of records used for analysis</b>	<b>SNF Yield GBV</b>	<b>SNF % GBV</b>	<b>REL %</b>
119	ALM-MR-40102	ALAMADHI SEMEN STATION	05-01-2014	39	286	8.2	-0.63	82.48
120	HIS-102699	FROSEN SEMEN BANK, HISSAR	04-11-2012	169	1327	8.11	-0.37	95.32
121	SAG-BM-271	SABARMATI ASHRAM GAUSHALA, BIDA J	29-08-2004	72	704	8.04	-0.97	90.92
122	HIS-PC-474	FROSEN SEMEN BANK, HISSAR	22-12-2008	49	373	8.03	0.75	87.03
123	ABC-SM-398	ANIMAL BREEDING CENTRE, SALON	16-11-2007	36	283	8.02	-0.22	83.73
124	SAG-MR-10505	SABARMATI ASHRAM GAUSHALA, BIDA J	07-05-2015	30	162	7.77	0.52	77.56
125	ABC-SM-686	ANIMAL BREEDING CENTRE, SALON	13-01-2013	40	339	7.77	-0.81	85.34
126	RHR-MR-50040	RAHURI SEMEN STATION, AHMEDNAGAR.	10-09-2012	54	380	7.66	-0.72	85.13
127	HIS-MR-1029	FROSEN SEMEN BANK, HISSAR	08-02-2011	102	786	7.51	-0.54	92.95
128	HIS-312634	FROSEN SEMEN BANK, HISSAR	05-12-2010	47	376	7.2	-1.1	87.89
129	SAG-BM-42	SABARMATI ASHRAM GAUSHALA, BIDA J	25-10-1987	31	298	7.19	-0.36	85.96
130	HIS-MR-321	FROSEN SEMEN BANK, HISSAR	25-12-2011	66	525	7.1	-0.46	89.37
131	SAG-BM-297	SABARMATI ASHRAM GAUSHALA, BIDA J	13-04-2006	109	1044	7.07	-0.95	93.77
132	HIS-75355	FROSEN SEMEN BANK, HISSAR	08-01-2011	41	321	6.97	-0.01	85.45

<b>Sr. No</b>	<b>Bull ID</b>	<b>Semen Station (Source)</b>	<b>Date of Birth</b>	<b>No of Daughters used in analysis</b>	<b>No of records used for analysis</b>	<b>SNF Yield GBV</b>	<b>SNF % GBV</b>	<b>REL %</b>
133	ROP-MALO	FSS,ROPAR	10-11-2009	48	409	6.96	0.25	87.33
134	SAG-BM-369	SABARMATI ASHRAM GAUSHALA, BIDAJ	20-09-2010	71	605	6.83	0.01	89.05
135	ROH-RM-007	ROHTAK SEMEN STATION, ROHTAK	14-08-2010	70	647	6.71	-0.16	89.31
136	ROH-RM-030	ROHTAK SEMEN STATION, ROHTAK	02-12-2010	95	773	6.64	0.04	91.53
137	SAG-BM-396	SABARMATI ASHRAM GAUSHALA, BIDAJ	25-07-2011	68	579	6.54	-0.36	88.42
138	SAG-MR-10471	SABARMATI ASHRAM GAUSHALA, BIDAJ	11-02-2015	72	543	6.27	-0.53	88.98
139	ABC-SM-616	ANIMAL BREEDING CENTRE, SALON	16-09-2012	27	221	6.24	-0.03	80.02
140	SAG-MR-10493	SABARMATI ASHRAM GAUSHALA, BIDAJ	26-07-2015	48	322	6.11	-0.41	85.08
141	ABC-SM-590	ANIMAL BREEDING CENTRE, SALON	27-10-2012	46	328	6.1	-0.79	83.48
142	SAG-BM-397	SABARMATI ASHRAM GAUSHALA, BIDAJ	20-01-2011	80	657	6.05	-0.03	90.24
143	ABC-SM-707	ANIMAL BREEDING CENTRE, SALON	16-09-2012	31	248	6.05	-0.23	80.52
144	ROP-MIAN	FSS,ROPAR	21-07-2009	42	363	5.98	-0.61	85.91
145	ROH-RM-005	ROHTAK SEMEN STATION, ROHTAK	29-09-2010	86	802	5.66	-0.07	91.28
146	SAG-BM-248	SABARMATI ASHRAM GAUSHALA, BIDAJ	22-09-2004	58	509	5.57	-0.9	89.95
147	ABC-SM-701	ANIMAL BREEDING CENTRE, SALON	06-08-2012	61	476	5.52	-0.67	88.61
148	RHR-MR-50037	RAHURI SEMEN	20-07-2013	31	201	5.46	-0.2	77.83

Sr. No	Bull ID	Semen Station (Source)	Date of Birth	No of Daughters used in analysis	No of records used for analyses	SNF Yield GBV	SNF % GBV	REL %
		STATION, AHMEDNAGAR.						
149	ABC-SM-466	ANIMAL BREEDING CENTRE, SALON	14-12-2009	26	224	5.32	0.18	81.78
150	SAG-MR-10475	SABARMATI ASHRAM GAUSHALA, BIDAJ	30-09-2014	67	502	5.32	-0.27	88.42
151	ROH-RM-016	ROHTAK SEMEN STATION, ROHTAK	20-09-2010	57	490	5.28	-0.7	87.69
152	SAG-MR-10449	SABARMATI ASHRAM GAUSHALA, BIDAJ	09-10-2013	67	480	5.17	-0.21	88.49
153	HBR-530155	HISAR BOVINE SPERM STATION, HARYANA	08-06-2013	33	233	5.1	-0.06	79.68
154	NBH-MOONGA	FSBS, NABHA	27-07-2009	31	247	4.99	-0.27	81.11
155	SAG-BM-398	SABARMATI ASHRAM GAUSHALA, BIDAJ	15-11-2011	99	821	4.83	-0.52	91.65
156	ROH-RM-013	ROHTAK SEMEN STATION, ROHTAK	20-08-2010	96	820	4.75	-0.19	92.43
157	ABC-SM-610	ANIMAL BREEDING CENTRE, SALON	12-11-2011	23	181	4.74	-0.9	78.04
158	ROH-RM-003	ROHTAK SEMEN STATION, ROHTAK	08-08-2010	100	907	4.72	0.32	92.13
159	ROP-MAX	FSS,ROPAR	05-11-2009	40	310	4.55	-0.59	86.33
160	ROH-RM-001	ROHTAK SEMEN STATION, ROHTAK	31-05-2010	81	748	4.51	0.26	90.93
161	ABC-SM-642	ANIMAL BREEDING CENTRE, SALON	10-10-2012	27	218	4.45	0.26	81.48
162	SAG-MR-10423	SABARMATI ASHRAM GAUSHALA, BIDAJ	07-03-2011	81	697	4.45	-0.29	90.47

<b>Sr. No</b>	<b>Bull ID</b>	<b>Semen Station (Source)</b>	<b>Date of Birth</b>	<b>No of Daughters used in analysis</b>	<b>No of records used for analysis</b>	<b>SNF Yield GBV</b>	<b>SNF % GBV</b>	<b>REL %</b>
163	SAG-MR-10479	SABARMATI ASHRAM GAUSHALA, BIDAJ	13-10-2014	61	433	4.35	-0.26	87.75
164	NBH-MUKAT	FSBS, NABHA	10-10-2007	22	143	4.33	0.42	76.56
165	HIS-314269	FROSEN SEMEN BANK, HISSAR	07-08-2011	45	339	4.26	0.13	86.14
166	NBH-MAPPLE	FSBS, NABHA	25-09-2011	40	322	4.18	-0.15	85.54
167	ABC-SM-391	ANIMAL BREEDING CENTRE, SALON	27-09-2007	30	224	4.14	-0.05	80.58
168	SAG-BM-288	SABARMATI ASHRAM GAUSHALA, BIDAJ	09-10-2005	33	311	4.12	0.43	84.84
169	SAG-MR-10431	SABARMATI ASHRAM GAUSHALA, BIDAJ	08-08-2012	81	649	4.07	-0.21	90.26
170	NBH-MAFIA	FSBS, NABHA	22-08-2012	44	358	3.97	0.55	84.23
171	HIS-M-418	FROSEN SEMEN BANK, HISSAR	25-05-2014	40	280	3.79	-0.12	83.8
172	SAG-MR-10444	SABARMATI ASHRAM GAUSHALA, BIDAJ	23-10-2011	55	350	3.69	-0.34	86.06
173	SAG-MR-10460	SABARMATI ASHRAM GAUSHALA, BIDAJ	15-10-2014	43	260	3.68	-0.14	83.2
174	SAG-BM-368	SABARMATI ASHRAM GAUSHALA, BIDAJ	20-10-2010	70	607	3.64	0.36	89.53
175	SAG-BM-272	SABARMATI ASHRAM GAUSHALA, BIDAJ	02-10-2004	85	749	3.57	-0.4	92.36
176	SAG-MR-10428	SABARMATI ASHRAM GAUSHALA, BIDAJ	25-11-2011	73	602	3.36	-0.21	90.01
177	GUR-PC-964	FROSEN SEMEN BANK, GURGAON.	15-10-2010	46	347	3.15	0.9	85.78
178	SAG-MR-10424	SABARMATI ASHRAM GAUSHALA, BIDAJ	03-09-2012	71	581	3.1	0.11	89.51

<b>Sr. No</b>	<b>Bull ID</b>	<b>Semen Station (Source)</b>	<b>Date of Birth</b>	<b>No of Daughters used in analysis</b>	<b>No of records used for analyses</b>	<b>SNF Yield GBV</b>	<b>SNF % GBV</b>	<b>REL %</b>
179	SAG-BM-399	SABARMATI ASHRAM GAUSHALA, BIDAJ	08-08-2011	66	499	3.02	-0.01	88.68
180	SAG-BM-349	SABARMATI ASHRAM GAUSHALA, BIDAJ	07-08-2009	97	868	2.92	-0.15	92.35
181	ABC-SM-325	ANIMAL BREEDING CENTRE, SALON	13-01-2007	21	153	2.84	0.28	76.85
182	HIS-MR-102699	FROSEN SEMEN BANK, HISSAR	04-11-2012	92	761	2.8	-0.08	92.86
183	SAG-BM-317	SABARMATI ASHRAM GAUSHALA, BIDAJ	29-09-2007	74	691	2.79	-0.32	91.12
184	SAG-MR-10499	SABARMATI ASHRAM GAUSHALA, BIDAJ	05-03-2015	32	178	2.61	-0.54	79.21
185	NBH-MASON	FSBS, NABHA	11-09-2007	33	247	2.57	-0.08	83.24
186	NBH-MINHAS	FSBS, NABHA	01-07-2010	37	271	2.45	0.38	82.7
187	SAG-BM-243	SABARMATI ASHRAM GAUSHALA, BIDAJ	02-08-2003	69	574	2.31	-0.2	91.22
188	NBH-MADHAV	FSBS, NABHA	18-07-2007	25	176	2.3	1.32	79.31
189	SAG-MR-10410	SABARMATI ASHRAM GAUSHALA, BIDAJ	25-10-2011	84	676	2.27	-0.26	90.65
190	ABC-SM-641	ANIMAL BREEDING CENTRE, SALON	18-12-2012	30	233	2.26	-0.42	77.98
191	NBH-MOTI	FSBS, NABHA	07-01-2011	24	192	2.12	-0.36	80.36
192	ABC-SM-400	ANIMAL BREEDING CENTRE, SALON	16-12-2007	33	279	1.97	-0.04	84.88
193	ABC-SM-355	ANIMAL BREEDING CENTRE, SALON	15-09-2007	26	209	1.93	-0.65	79.82
194	SAG-SM-517	ANIMAL BREEDING CENTRE, SALON	03-01-2011	31	229	1.8	-0.44	81.53
195	SAG-MR-10523	SABARMATI ASHRAM	10-12-2014	122	723	1.79	0.07	92.86

Sr. No	Bull ID	Semen Station (Source)	Date of Birth	No of Daughters used in analysis	No of records used for analysis	SNF Yield GBV	SNF % GBV	REL %
		GAUSHALA, BIDAJ						
196	HIS-MR-1116	FROSEN SEMEN BANK, HISSAR	08-07-2011	33	286	1.71	0.01	81.97
197	SAG-BM-225	SABARMATI ASHRAM GAUSHALA, BIDAJ	28-01-2001	52	445	1.67	0.01	89.41
198	ROP-MIRZA	FSS,ROPAR	22-10-2009	44	329	1.47	0.12	85.71
199	HIS-PC-718	FROSEN SEMEN BANK, HISSAR	10-04-2010	34	253	1.42	0.6	83.54
200	SAG-MR-10415	SABARMATI ASHRAM GAUSHALA, BIDAJ	18-09-2012	87	693	1.42	-0.03	90.6
201	HBR-335640	HISAR BOVINE SPERM STATION, HARYANA	14-09-2014	26	190	1.42	-0.07	77.2
202	SAG-BM-374	SABARMATI ASHRAM GAUSHALA, BIDAJ	20-05-2011	69	585	1.2	0.07	88.86
203	SAG-BM-380	SABARMATI ASHRAM GAUSHALA, BIDAJ	10-12-2010	65	556	1.16	-0.13	87.77
204	HIS-105144	FROSEN SEMEN BANK, HISSAR	08-08-2009	191	1443	1.08	0.29	95.89
205	SAG-BM-403	SABARMATI ASHRAM GAUSHALA, BIDAJ	10-01-2011	59	476	0.95	0.29	87.47
206	SAG-MR-10416	SABARMATI ASHRAM GAUSHALA, BIDAJ	23-12-2011	99	852	0.79	0.14	92.07
207	SAG-MR-10551	SABARMATI ASHRAM GAUSHALA, BIDAJ	03-07-2015	24	110	0.77	-0.72	75.49
208	ABC-SM-493	ANIMAL BREEDING CENTRE, SALON	20-09-2009	26	215	0.7	-0.38	80.52
209	ROP-MARUTI	FSS,ROPAR	18-09-2009	27	214	0.66	-0.16	80.68
210	ROH-RM-026	ROHTAK SEMEN	02-07-2010	69	554	0.61	-0.14	88.67

Sr. No	Bull ID	Semen Station (Source)	Date of Birth	No of Daughters used in analysis	No of records used for analysis	SNF Yield GBV	SNF % GBV	REL %
		STATION, ROHTAK						
211	SAG-MR-10442	SABARMATI ASHRAM GAUSHALA, BIDAJ	21-01-2012	67	502	0.42	0.08	88.77
212	NBH-MITHU	FSBS, NABHA	18-08-2009	32	240	0.33	0.81	80.95
213	ROP-MIKADO	FSS,ROPAR	15-12-2009	28	228	0.31	0.31	81.77
214	SAG-BM-116	SABARMATI ASHRAM GAUSHALA, BIDAJ	14-09-1995	52	481	0.27	-0.11	89.31
215	SAG-BM-331	SABARMATI ASHRAM GAUSHALA, BIDAJ	21-01-2009	64	593	0.23	-0.3	90.06
216	SAG-MR-10457	SABARMATI ASHRAM GAUSHALA, BIDAJ	02-12-2013	85	665	0.02	-0.1	91.02
217	SAG-MR-10440	SABARMATI ASHRAM GAUSHALA, BIDAJ	15-09-2013	89	658	0.01	-0.34	91.3
218	ALM-MR-40063	ALAMADHI SEMEN STATION	02-08-2012	43	341	-0.21	-0.03	85.54
219	HIS-PC-483	FROSEN SEMEN BANK, HISSAR	21-06-2007	35	257	-0.23	0.06	84.28
220	NBH-MOOLI	FSBS, NABHA	14-12-2010	35	263	-0.3	1.07	84.34
221	ABC-SM-394	ANIMAL BREEDING CENTRE, SALON	29-08-2007	29	237	-0.33	0.27	82.65
222	ABC-SM-640	ANIMAL BREEDING CENTRE, SALON	01-02-2013	31	284	-0.48	0.36	82.14
223	SAG-BM-242	SABARMATI ASHRAM GAUSHALA, BIDAJ	18-08-2003	70	667	-0.57	-0.64	90.35
224	HIS-PC-461	FROSEN SEMEN BANK, HISSAR	09-09-2008	29	190	-0.69	1.4	86.17
225	NBH-MEDAL	FSBS, NABHA	16-10-2009	53	361	-0.9	-0.5	86.27
226	SAG-MR-10429	SABARMATI ASHRAM GAUSHALA, BIDAJ	20-08-2012	61	421	-0.98	0.05	87.68
227	NBH-MAKHAN	FSBS, NABHA	20-08-2009	57	427	-0.98	0	89.02
228	NBH-MUKRI	FSBS, NABHA	02-01-2008	28	212	-1.29	0.58	80.26

<b>Sr. No</b>	<b>Bull ID</b>	<b>Semen Station (Source)</b>	<b>Date of Birth</b>	<b>No of Daughters used in analysis</b>	<b>No of records used for analysis</b>	<b>SNF Yield GBV</b>	<b>SNF % GBV</b>	<b>REL %</b>
229	NBH-MISHRI	FSBS, NABHA	12-08-2010	36	296	-1.31	0.52	83.21
230	SAG-MR-10484	SABARMATI ASHRAM GAUSHALA, BIDAJ	14-02-2014	42	281	-1.54	-0.35	83.08
231	NBH-SONY	FSBS, NABHA	27-09-2009	246	1991	-1.57	0.35	96.31
232	GUR-PC-692	FROSEN SEMEN BANK, GURGAON.	02-10-2009	34	264	-1.74	0.01	81.51
233	NBH-MALINGA	FSBS, NABHA	01-12-2009	37	280	-1.8	-0.2	83.66
234	ROH-RM-031	ROHTAK SEMEN STATION, ROHTAK	10-10-2012	56	470	-2.01	0.28	87.13
235	ROP-MAINA	FSS,ROPAR	01-01-2011	23	169	-2.01	-0.89	75.64
236	NBH-MEER	FSBS, NABHA	01-11-2009	47	368	-2.06	0.51	88.26
237	SAG-BM-353	SABARMATI ASHRAM GAUSHALA, BIDAJ	01-10-2010	74	649	-2.07	0.29	90.41
238	HIS-451586	FROSEN SEMEN BANK, HISSAR	02-01-2014	41	304	-2.1	0.54	84.17
239	HIS-151-M	FROSEN SEMEN BANK, HISSAR	04-04-2009	42	314	-2.15	0.67	86.34
240	SAG-BM-356	SABARMATI ASHRAM GAUSHALA, BIDAJ	18-08-2010	56	507	-2.17	0.49	87.32
241	SAG-BM-335	SABARMATI ASHRAM GAUSHALA, BIDAJ	03-10-2008	80	750	-2.17	0.08	90.91
242	ALM-MR-40097	ALAMADHI SEMEN STATION	01-10-2013	32	225	-2.27	-0.1	79.22
243	NBH-MACHHAR	FSBS, NABHA	26-06-2007	35	257	-2.28	0.45	85.36
244	NBH-MATRU	FSBS, NABHA	18-04-2007	31	238	-2.33	0.03	83.05
245	ROH-RM-019	ROHTAK SEMEN STATION, ROHTAK	24-09-2010	80	711	-2.96	-0.18	90.51
246	SAG-BM-306	SABARMATI ASHRAM GAUSHALA, BIDAJ	29-06-2003	39	389	-3.04	-0.57	85.08
247	ABC-SM-593	ANIMAL BREEDING CENTRE, SALON	26-12-2011	27	211	-3.08	-0.31	76.71

Sr. No	Bull ID	Semen Station (Source)	Date of Birth	No of Daughters used in analysis	No of records used for analysis	SNF Yield GBV	SNF % GBV	REL %
248	HBR-420605	HISAR BOVINE SPERM STATION, HARYANA	16-09-2013	33	223	-3.13	0.33	79.61
249	ABC-SM-513	ANIMAL BREEDING CENTRE, SALON	08-11-2009	25	208	-3.16	0.08	78.71
250	SAG-BM-316	SABARMATI ASHRAM GAUSHALA, BIDAJ	02-01-2007	65	611	-3.29	-0.02	89.35
251	NBH-MAGNUM	FSBS, NABHA	30-09-2014	34	242	-3.44	0.38	81.67
252	SAG-BM-264	SABARMATI ASHRAM GAUSHALA, BIDAJ	10-05-2005	140	1149	-3.65	0.1	94.94
253	SAG-BM-408	SABARMATI ASHRAM GAUSHALA, BIDAJ	05-01-2011	105	843	-3.78	0.2	91.8
254	SAG-BM-391	SABARMATI ASHRAM GAUSHALA, BIDAJ	08-08-2011	60	514	-3.79	0.23	87.15
255	HIS-150-M	FROSEN SEMEN BANK, HISSAR	02-04-2009	142	922	-3.95	-0.5	94.07
256	NBH-MAGNET	FSBS, NABHA	11-10-2009	36	239	-4.08	-0.64	84.73
257	HIS-72850	FROSEN SEMEN BANK, HISSAR	22-09-2008	170	1040	-4.23	0.17	94.69
258	SAG-BM-311	SABARMATI ASHRAM GAUSHALA, BIDAJ	30-07-2006	64	594	-4.24	0.07	89.75
259	NBH-MUNISH	FSBS, NABHA	25-08-2008	37	290	-4.25	1.07	82.01
260	ROP-MILAP	FSS,ROPAR	14-12-2010	45	372	-4.25	-0.13	86.48
261	NBH-MULTAN	FSBS, NABHA	04-08-2012	36	275	-4.29	0.54	83.61
262	HIS-PC-1899	FROSEN SEMEN BANK, HISSAR	05-08-2013	32	241	-4.34	-0.49	80.76
263	HIS-72852	FROSEN SEMEN BANK, HISSAR	01-10-2008	26	204	-4.6	-0.11	78.75
264	SAG-BM-251	SABARMATI ASHRAM	12-09-2004	100	961	-4.61	-0.02	92.76

Sr. No	Bull ID	Semen Station (Source)	Date of Birth	No of Daughters used in analysis	No of records used for analysis	SNF Yield GBV	SNF % GBV	REL %
		GAUSHALA, BIDAJ						
265	SAG-MR-10421	SABARMATI ASHRAM GAUSHALA, BIDAJ	28-09-2012	64	499	-4.63	0.01	87.86
266	NBH-MURARI	FSBS, NABHA	19-06-2009	51	384	-4.64	0.14	87.47
267	SAG-MR-10453	SABARMATI ASHRAM GAUSHALA, BIDAJ	23-07-2013	41	237	-4.73	-0.14	83.24
268	NBH-MITTAR	FSBS, NABHA	10-06-2011	45	360	-4.77	0.41	87.94
269	SAG-MR-10477	SABARMATI ASHRAM GAUSHALA, BIDAJ	08-11-2014	50	317	-4.8	-0.11	85.4
270	NBH-MAJNU	FSBS, NABHA	17-08-2009	39	272	-4.96	0.85	82.86
271	SAG-BM-378	SABARMATI ASHRAM GAUSHALA, BIDAJ	21-10-2011	109	943	-5.06	-0.04	92.99
272	NBH-MALANG	FSBS, NABHA	03-09-2010	41	337	-5.06	-0.37	83.38
273	ABC-SM-740	ANIMAL BREEDING CENTRE, SALON	17-08-2013	124	1011	-5.07	-0.07	93.84
274	HIS-MR-450330	FROSEN SEMEN BANK, HISSAR	02-07-2012	29	188	-5.09	-0.64	77.56
275	SAG-BM-310	SABARMATI ASHRAM GAUSHALA, BIDAJ	15-09-2007	77	692	-5.3	0.18	90.8
276	GUR-MR-1211	FROSEN SEMEN BANK, GURGAON.	15-08-2011	61	463	-5.33	0.07	89.04
277	HIS-MR-102622	FROSEN SEMEN BANK, HISSAR	06-10-2012	45	335	-5.36	0.89	85.35
278	ROH-RM-032	ROHTAK SEMEN STATION, ROHTAK	01-11-2012	68	543	-5.42	-0.01	88.89
279	ABC-SM-710	ANIMAL BREEDING CENTRE, SALON	06-10-2012	47	385	-5.6	0.07	86.56
280	ABC-SM-591	ANIMAL BREEDING CENTRE, SALON	12-02-2012	25	199	-5.72	0.64	77.8

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281	NBH-MAKBUL	FSBS, NABHA	01-09-2009	35	279	-5.8	0.8	84.98
282	SAG-MR-10514	SABARMATI ASHRAM GAUSHALA, BIDAJ	22-08-2015	28	144	-5.88	-0.19	76.44
283	ABC-SM-611	ANIMAL BREEDING CENTRE, SALON	03-01-2012	29	221	-5.9	-0.37	80.1
284	NBH-MOJI	FSBS, NABHA	05-08-2008	22	180	-5.93	0.22	76.88
285	SAG-MR-10438	SABARMATI ASHRAM GAUSHALA, BIDAJ	04-01-2014	80	638	-5.94	-0.15	90.29
286	NBH-MANSA	FSBS, NABHA	09-10-2008	33	231	-6	0.2	82.95
287	HIS-73114	FROSEN SEMEN BANK, HISSAR	15-01-2010	50	344	-6.14	0.28	86.8
288	ABC-SM-608	ANIMAL BREEDING CENTRE, SALON	16-09-2011	37	260	-6.2	0.19	83.13
289	NBH-MURTZA	FSBS, NABHA	28-12-2010	43	330	-6.34	0.54	87.71
290	ALM-MR-40058	ALAMADHI SEMEN STATION	10-10-2012	64	468	-6.35	0.33	88.99
291	ABC-SM-660	ANIMAL BREEDING CENTRE, SALON	09-11-2012	33	264	-6.45	0.41	84.14
292	NBH-BOND	FSBS, NABHA	28-07-2008	58	487	-6.85	1.02	88.8
293	ABC-SM-392	ANIMAL BREEDING CENTRE, SALON	25-11-2007	36	279	-6.86	1.26	83.85
294	SAG-MR-10430	SABARMATI ASHRAM GAUSHALA, BIDAJ	18-07-2012	84	663	-6.89	0.07	90.64
295	ABC-SM-703	ANIMAL BREEDING CENTRE, SALON	10-10-2011	36	308	-7.15	0.18	82.92
296	NBH-MADY	FSBS, NABHA	18-12-2012	34	248	-7.22	0.58	81.26
297	ALM-MR-40061	ALAMADHI SEMEN STATION	15-08-2012	63	498	-7.25	-0.39	87.94
298	SAG-BM-231	SABARMATI ASHRAM GAUSHALA, BIDAJ	22-11-2002	37	341	-7.45	-0.52	84.79
299	SAG-BM-406	SABARMATI ASHRAM	31-07-2012	79	650	-7.46	0.18	90.4

Sr. No	Bull ID	Semen Station (Source)	Date of Birth	No of Daughters used in analysis	No of records used for analysis	SNF Yield GBV	SNF % GBV	REL %
		GAUSHALA, BIDAJ						
300	SAG-BM-352	SABARMATI ASHRAM GAUSHALA, BIDAJ	15-08-2010	50	423	-7.6	0.16	86.21
301	SAG-BM-390	SABARMATI ASHRAM GAUSHALA, BIDAJ	05-08-2011	86	658	-7.65	0.29	90.32
302	HIS-PC-427	FROSEN SEMEN BANK, HISSAR	03-09-2008	98	643	-7.66	-0.44	91.32
303	SAG-MR-10513	SABARMATI ASHRAM GAUSHALA, BIDAJ	20-05-2015	48	272	-7.67	0.21	84.19
304	NBH-MEHNDI	FSBS, NABHA	02-10-2008	33	267	-7.68	0.09	83.38
305	HIS-M-410	FROSEN SEMEN BANK, HISSAR	20-02-2014	28	189	-7.84	0.27	80.8
306	ABC-SM-395	ANIMAL BREEDING CENTRE, SALON	02-09-2007	45	387	-8.07	0.69	87.1
307	SAG-BM-252	SABARMATI ASHRAM GAUSHALA, BIDAJ	24-11-2004	54	450	-8.08	0.06	88.41
308	ROH-RM-010	ROHTAK SEMEN STATION, ROHTAK	16-10-2010	98	946	-8.44	0.24	92.66
309	NBH-MAJID	FSBS, NABHA	28-07-2010	43	337	-8.5	0.19	85.14
310	HIS-PC-575	FROSEN SEMEN BANK, HISSAR	02-09-2009	133	999	-8.67	0.07	93.81
311	SAG-BM-343	SABARMATI ASHRAM GAUSHALA, BIDAJ	26-01-2009	91	843	-8.77	0.4	91.17
312	NBH-MOFAR	FSBS, NABHA	20-06-2006	33	252	-8.79	1.16	83
313	HIS-155-M	FROSEN SEMEN BANK, HISSAR	02-06-2009	29	218	-9.4	-0.02	83.12
314	NBH-MANJU	FSBS, NABHA	25-07-2008	27	217	-9.57	0.38	77.47
315	SAG-BM-293	SABARMATI ASHRAM GAUSHALA, BIDAJ	18-11-2005	78	742	-9.73	0.01	91.94

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316	SAG-MR-10432	SABARMATI ASHRAM GAUSHALA, BIDAJ	25-06-2013	85	673	-9.77	0.17	90.83
317	SAG-BM-266	SABARMATI ASHRAM GAUSHALA, BIDAJ	17-09-2004	119	1079	-9.8	0.63	93.9
318	ABC-SM-409	ANIMAL BREEDING CENTRE, SALON	05-09-2008	41	309	-9.93	0.05	84.69
319	SAG-MR-10487	SABARMATI ASHRAM GAUSHALA, BIDAJ	27-01-2015	48	312	-9.96	-0.66	84.76
320	ROH-RM-024	ROHTAK SEMEN STATION, ROHTAK	10-09-2010	79	702	-10.14	-0.27	89.82
321	ALM-MR-40064	ALAMADHI SEMEN STATION	04-11-2012	32	255	-10.29	0.56	82.03
322	SAG-BM-394	SABARMATI ASHRAM GAUSHALA, BIDAJ	05-03-2011	96	796	-10.42	0.07	91.46
323	NBH-MICAL	FSBS, NABHA	29-09-2007	50	406	-10.51	0.76	85.8
324	SAG-BM-262	SABARMATI ASHRAM GAUSHALA, BIDAJ	10-09-2005	42	364	-10.68	0.43	86.68
325	SAG-MR-10417	SABARMATI ASHRAM GAUSHALA, BIDAJ	19-10-2012	79	651	-10.79	0.55	90.3
326	NBH-MOLANA	FSBS, NABHA	03-08-2009	51	396	-10.81	-0.28	86.33
327	NBH-MOKSH	FSBS, NABHA	25-05-2008	40	282	-10.88	1.1	85.84
328	SAG-BM-319	SABARMATI ASHRAM GAUSHALA, BIDAJ	16-09-2007	66	619	-10.92	-0.15	91.14
329	ABC-SM-514	ANIMAL BREEDING CENTRE, SALON	26-09-2010	20	161	-11.02	0.36	76.15
330	NBH-MIG	FSBS, NABHA	10-09-2009	38	276	-11.08	1	85.45
331	NBH-MALUKA	FSBS, NABHA	10-07-2008	41	326	-11.09	0.32	86.67
332	SAG-MR-10540	SABARMATI ASHRAM GAUSHALA, BIDAJ	12-11-2015	53	325	-11.16	0.57	85.42
333	NBH-MAVI	FSBS, NABHA	14-05-2008	54	432	-11.16	0.56	88.01
334	NBH-METER	FSBS, NABHA	06-08-2008	60	434	-11.29	0.62	87.65

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335	ABC-SM-589	ANIMAL BREEDING CENTRE, SALON	31-12-2011	37	262	-11.29	0.38	81.92
336	NBH-MATHEW	FSBS, NABHA	19-02-2009	66	492	-11.39	0.84	88.54
337	SAG-BM-268	SABARMATI ASHRAM GAUSHALA, BIDA J	09-10-2004	100	868	-11.55	0.23	93.64
338	ROH-RM-020	ROHTAK SEMEN STATION, ROHTAK	15-11-2010	77	679	-11.8	0.41	90.04
339	SAG-MR-10427	SABARMATI ASHRAM GAUSHALA, BIDA J	08-01-2012	48	359	-11.87	0.41	85.71
340	NBH-MIRCH	FSBS, NABHA	25-12-2010	38	303	-11.91	0.58	85.59
341	SAG-BM-290	SABARMATI ASHRAM GAUSHALA, BIDA J	29-08-2004	48	463	-11.94	0.14	87.22
342	SAG-BM-274	SABARMATI ASHRAM GAUSHALA, BIDA J	28-03-2005	85	824	-12.07	-0.05	92.67
343	SAG-BM-296	SABARMATI ASHRAM GAUSHALA, BIDA J	17-11-2004	72	669	-12.09	0.72	91.53
344	SAG-BM-40	SABARMATI ASHRAM GAUSHALA, BIDA J	10-02-1986	23	197	-12.09	-0.29	89.98
345	NBH-MANAV	FSBS, NABHA	13-12-2009	31	230	-12.21	1.35	82.2
346	NBH-MEGH	FSBS, NABHA	12-09-2007	30	244	-12.23	0.26	81.29
347	NBH-MITHUN	FSBS, NABHA	07-06-2009	36	286	-12.32	0.62	81.25
348	ROP-MEET	FSS,ROPAR	10-07-2009	34	288	-12.34	0.22	84.1
349	ABC-SM-665	ANIMAL BREEDING CENTRE, SALON	08-07-2013	40	299	-12.5	0.26	84.05
350	ABC-SM-464	ANIMAL BREEDING CENTRE, SALON	17-11-2009	42	321	-12.62	0.12	84.98
351	ABC-SM-662	ANIMAL BREEDING CENTRE, SALON	10-07-2012	42	349	-12.63	0.16	85.93
352	ABC-SM-614	ANIMAL BREEDING CENTRE, SALON	20-09-2011	22	168	-12.9	-0.66	75.72

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353	ABC-SM-704	ANIMAL BREEDING CENTRE, SALON	01-09-2012	43	353	-12.98	-0.02	84.43
354	GUR-MR-281973	FROSEN SEMEN BANK, GURGAON.	09-08-2013	53	393	-13.18	0.66	86.53
355	NBH-MAJHA	FSBS, NABHA	01-07-2008	31	236	-13.2	-0.04	81.56
356	NBH-MOHALI	FSBS, NABHA	02-02-2011	59	469	-13.23	0.27	87.28
357	NBH-MASHAL	FSBS, NABHA	27-10-2009	33	262	-13.29	0.06	82.44
358	SAG-BM-354	SABARMATI ASHRAM GAUSHALA, BIDA J	04-07-2010	73	636	-13.4	0.09	90.14
359	SAG-BM-255	SABARMATI ASHRAM GAUSHALA, BIDA J	17-10-2004	60	573	-13.41	0.17	89.36
360	SAG-BM-273	SABARMATI ASHRAM GAUSHALA, BIDA J	25-08-2004	87	823	-13.5	0.03	93.18
361	ABC-SM-299	ANIMAL BREEDING CENTRE, SALON	23-07-2006	22	173	-13.62	0.67	77.37
362	SAG-MR-10553	SABARMATI ASHRAM GAUSHALA, BIDA J	25-09-2015	25	120	-13.71	0.29	75.78
363	SAG-BM-395	SABARMATI ASHRAM GAUSHALA, BIDA J	20-05-2011	90	803	-13.75	0.46	91.26
364	SAG-BM-385	SABARMATI ASHRAM GAUSHALA, BIDA J	08-06-2011	82	690	-13.76	0.51	89.95
365	HIS-PC-1942	FROSEN SEMEN BANK, HISSAR	14-12-2013	34	275	-13.92	-1.02	80.63
366	SAG-BM-213	SABARMATI ASHRAM GAUSHALA, BIDA J	22-02-2002	27	214	-13.96	0.63	81.07
367	NBH-MUSA	FSBS, NABHA	02-01-2008	21	153	-13.98	0.84	77.19
368	GUR-296103	FROSEN SEMEN BANK, GURGAON.	09-08-2011	33	259	-13.98	0.38	80.63
369	ABC-SM-459	ANIMAL BREEDING	07-09-2009	23	195	-14.08	1.01	78.15

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		CENTRE, SALON						
370	ABC-SM-661	ANIMAL BREEDING CENTRE, SALON	06-08-2012	51	426	-14.12	0.45	86.26
371	ROH-RM-009	ROHTAK SEMEN STATION, ROHTAK	08-11-2010	83	689	-14.2	0.02	90.37
372	NBH-MOBILE	FSBS, NABHA	02-08-2007	35	268	-14.38	1.6	84.25
373	ROP-MOORTI	FSS,ROPAR	05-04-2009	28	190	-14.45	1.4	79.03
374	SAG-BM-312	SABARMATI ASHRAM GAUSHALA, BIDA J	10-09-2007	65	592	-14.52	0.37	89.97
375	RHR-MR-50136	RAHURI SEMEN STATION, AHMEDNAGAR.	06-08-2015	56	437	-14.56	0.02	87.1
376	ABC-SM-619	ANIMAL BREEDING CENTRE, SALON	30-04-2012	23	208	-14.67	0.38	76.35
377	SAG-BM-358	SABARMATI ASHRAM GAUSHALA, BIDA J	28-08-2010	106	1012	-14.9	0.43	92.71
378	ABC-SM-396	ANIMAL BREEDING CENTRE, SALON	06-09-2007	26	206	-14.98	1.21	80.28
379	SAG-BM-226	SABARMATI ASHRAM GAUSHALA, BIDA J	17-12-2001	39	332	-15.01	0.11	87.72
380	SAG-BM-294	SABARMATI ASHRAM GAUSHALA, BIDA J	25-10-2005	86	852	-15.1	0.33	92.3
381	ABC-SM-899	ANIMAL BREEDING CENTRE, SALON	08-12-2014	29	206	-15.31	0.29	78.09
382	NBH-MEHTA	FSBS, NABHA	26-06-2008	39	303	-15.32	0.92	83.33
383	NBH-MINTU	FSBS, NABHA	04-07-2007	39	280	-15.41	0.93	85.22
384	RHR-MR-50125	RAHURI SEMEN STATION, AHMEDNAGAR.	19-04-2015	29	220	-15.42	-0.25	79.03
385	SAG-BM-245	SABARMATI ASHRAM GAUSHALA, BIDA J	31-10-2002	37	347	-15.44	-0.21	87.76

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386	ABC-SM-621	ANIMAL BREEDING CENTRE, SALON	16-10-2012	41	304	-15.64	1.15	84.96
387	ROH-RM-017	ROHTAK SEMEN STATION, ROHTAK	14-10-2010	52	421	-15.83	0.72	85.83
388	NBH-MUKUND	FSBS, NABHA	28-07-2006	30	224	-15.88	0.98	83.55
389	NBH-MONTEK	FSBS, NABHA	23-05-2008	34	275	-16.19	1.08	84.02
390	ABC-SM-637	ANIMAL BREEDING CENTRE, SALON	24-02-2013	44	362	-16.24	0.17	87.52
391	SAG-BM-295	SABARMATI ASHRAM GAUSHALA, BIDA J	17-10-2005	96	889	-16.27	0.45	92.96
392	GUR-003343	FROSEN SEMEN BANK, GURGAON.	31-07-2009	36	283	-16.42	0.33	81.53
393	HIS-PC-665	FROSEN SEMEN BANK, HISSAR	14-11-2009	30	207	-16.63	1.15	79.4
394	SAG-BM-359	SABARMATI ASHRAM GAUSHALA, BIDA J	18-11-2010	88	767	-16.89	0.83	91.46
395	SAG-BM-303	SABARMATI ASHRAM GAUSHALA, BIDA J	15-01-2007	78	731	-16.89	-0.27	92.06
396	SAG-BM-370	SABARMATI ASHRAM GAUSHALA, BIDA J	06-12-2010	96	808	-16.9	0.83	91.59
397	NBH-MADHUR	FSBS, NABHA	15-09-2008	40	286	-16.96	0.89	85.82
398	SAG-BM-308	SABARMATI ASHRAM GAUSHALA, BIDA J	11-08-2007	75	666	-17	0.49	91.36
399	HIS-MR-296230	FROSEN SEMEN BANK, HISSAR	10-10-2011	34	211	-17.57	0.15	82
400	SAG-BM-298	SABARMATI ASHRAM GAUSHALA, BIDA J	04-03-2006	73	691	-17.63	0.28	91.7
401	HIS-B-1-330	FROSEN SEMEN	29-12-2005	67	491	-17.65	0.71	91.16

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		BANK, HISSAR						
402	ABC-SM-384	ANIMAL BREEDING CENTRE, SALON	18-07-2007	31	235	-17.65	0.6	81.81
403	ABC-SM-535	ANIMAL BREEDING CENTRE, SALON	01-08-2011	46	356	-17.65	-0.73	85.03
404	NBH-MISSILE	FSBS, NABHA	01-07-2009	41	319	-17.7	0.65	83.27
405	SAG-BM-223	SABARMATI ASHRAM GAUSHALA, BIDA J	20-07-2001	40	337	-17.92	0.22	87.38
406	SAG-BM-292	SABARMATI ASHRAM GAUSHALA, BIDA J	08-09-2005	87	821	-18.16	-0.36	92.43
407	SAG-BM-393	SABARMATI ASHRAM GAUSHALA, BIDA J	04-09-2011	77	640	-18.31	0.58	89.77
408	SAG-BM-287	SABARMATI ASHRAM GAUSHALA, BIDA J	18-01-2006	63	590	-18.35	0.79	90.77
409	SAG-BM-339	SABARMATI ASHRAM GAUSHALA, BIDA J	14-02-2009	95	853	-18.89	0.08	92.13
410	GUR-MR-720	FROSEN SEMEN BANK, GURGAON.	04-06-2010	40	310	-19	1.18	83.05
411	SAG-BM-326	SABARMATI ASHRAM GAUSHALA, BIDA J	25-12-2008	41	364	-19.03	0.67	87.35
412	SAG-BM-346	SABARMATI ASHRAM GAUSHALA, BIDA J	09-11-2008	79	716	-19.2	1.14	90.74
413	ROH-RM-027	ROHTAK SEMEN STATION, ROHTAK	04-09-2010	61	529	-19.21	0.82	87.59
414	SAG-BM-277	SABARMATI ASHRAM GAUSHALA, BIDA J	15-01-2005	76	649	-19.45	0.42	91.83
415	ABC-SM-404	ANIMAL BREEDING CENTRE, SALON	21-05-2008	32	269	-19.49	0.98	82.82

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416	SAG-BM-305	SABARMATI ASHRAM GAUSHALA, BIDAJ	01-09-2006	88	800	-19.53	0.64	92.25
417	SAG-BM-322	SABARMATI ASHRAM GAUSHALA, BIDAJ	01-03-2007	59	553	-19.61	0.65	89.21
418	NBH-MUKHI	FSBS, NABHA	14-02-2009	30	216	-19.62	0.38	78.65
419	HIS-72860	FROSEN SEMEN BANK, HISSAR	21-11-2009	43	345	-19.79	1.05	86.67
420	NBH-MUDRA	FSBS, NABHA	16-07-2009	22	190	-19.79	0.7	76.79
421	HIS-845511	FROSEN SEMEN BANK, HISSAR	08-01-2011	30	225	-20.01	1.12	81.26
422	NBH-MANDU	FSBS, NABHA	05-11-2009	30	216	-20.33	1.01	82.46
423	SAG-BM-357	SABARMATI ASHRAM GAUSHALA, BIDAJ	17-09-2009	89	820	-20.34	0.78	91.57
424	ABC-SM-401	ANIMAL BREEDING CENTRE, SALON	04-02-2008	35	282	-20.43	0.89	83.29
425	SAG-BM-400	SABARMATI ASHRAM GAUSHALA, BIDAJ	15-07-2011	84	680	-20.55	0.91	90.91
426	ABC-SM-622	ANIMAL BREEDING CENTRE, SALON	22-11-2012	29	211	-20.75	0.31	81.97
427	NBH-MANILA	FSBS, NABHA	05-01-2007	37	270	-20.89	0.76	83.25
428	ROH-RM-012	ROHTAK SEMEN STATION, ROHTAK	16-12-2010	81	749	-21.13	0.38	90.9
429	SAG-BM-318	SABARMATI ASHRAM GAUSHALA, BIDAJ	05-01-2008	77	726	-21.24	0.39	91.92
430	SAG-BM-299	SABARMATI ASHRAM GAUSHALA, BIDAJ	02-01-2006	63	599	-21.33	0.52	90.46
431	SAG-BM-379	SABARMATI ASHRAM GAUSHALA, BIDAJ	13-11-2010	80	676	-21.65	0.48	90.18
432	ABC-SM-386	ANIMAL BREEDING CENTRE, SALON	20-08-2007	44	349	-21.69	0.9	86.4

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433	ABC-SM-463	ANIMAL BREEDING CENTRE, SALON	14-11-2009	23	173	-22.14	0.56	78.55
434	SAG-BM-375	SABARMATI ASHRAM GAUSHALA, BIDAJ	30-08-2010	70	523	-22.25	0.63	88.44
435	NBH-MINDA	FSBS, NABHA	05-04-2008	60	455	-22.51	0.38	88.53
436	NBH-MARSHAL	FSBS, NABHA	02-10-2009	28	199	-22.6	1.17	79.88
437	SAG-BM-247	SABARMATI ASHRAM GAUSHALA, BIDAJ	18-05-2004	34	292	-22.76	0.13	85.34
438	ABC-SM-465	ANIMAL BREEDING CENTRE, SALON	20-11-2009	25	203	-23.13	1.56	78.93
439	NBH-MAXON	FSBS, NABHA	20-09-2007	39	287	-23.21	0.87	84.39
440	SAG-BM-315	SABARMATI ASHRAM GAUSHALA, BIDAJ	21-12-2007	76	695	-23.29	0.55	90.55
441	NBH-MATHURA	FSBS, NABHA	03-10-2007	53	433	-23.36	0.84	89.01
442	NBH-MARCH	FSBS, NABHA	11-10-2007	34	239	-23.75	0.75	84.33
443	ROH-RM-018	ROHTAK SEMEN STATION, ROHTAK	27-01-2011	83	703	-23.8	0.95	91.05
444	SAG-BM-329	SABARMATI ASHRAM GAUSHALA, BIDAJ	29-12-2008	63	612	-23.94	0.67	89.64
445	NBH-MELA	FSBS, NABHA	03-10-2007	38	296	-24.17	0.78	84.74
446	SAG-BM-386	SABARMATI ASHRAM GAUSHALA, BIDAJ	09-01-2011	74	631	-24.54	0.69	89.28
447	SAG-MR-10464	SABARMATI ASHRAM GAUSHALA, BIDAJ	12-09-2014	54	379	-24.75	0.03	86.23
448	SAG-BM-363	SABARMATI ASHRAM GAUSHALA, BIDAJ	14-11-2010	62	535	-24.83	0.28	87.8
449	SAG-BM-270	SABARMATI ASHRAM GAUSHALA, BIDAJ	01-09-2004	71	619	-25.04	0.74	91.36
450	ALM-MR-40060	ALAMADHI SEMEN STATION	24-08-2012	31	254	-25.32	-0.56	78.95

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451	ABC-SM-666	ANIMAL BREEDING CENTRE, SALON	08-09-2013	52	401	-25.33	0.51	86.08
452	HBR-603768	HISAR BOVINE SPERM STATION, HARYANA	20-12-2014	39	265	-25.51	0.6	81.34
453	SAG-BM-275	SABARMATI ASHRAM GAUSHALA, BIDAJ	05-01-2006	67	622	-25.65	-0.01	90.79
454	SAG-BM-221	SABARMATI ASHRAM GAUSHALA, BIDAJ	09-09-2002	47	397	-25.74	0.49	88.78
455	SAG-BM-278	SABARMATI ASHRAM GAUSHALA, BIDAJ	15-08-2005	32	304	-25.84	0.59	83.14
456	SAG-BM-267	SABARMATI ASHRAM GAUSHALA, BIDAJ	12-09-2004	25	205	-26.39	1.64	79.4
457	HIS-281962	FROSEN SEMEN BANK, HISSAR	18-07-2014	43	319	-26.42	0.14	83.32
458	NBH-MALAH	FSBS, NABHA	09-03-2009	36	280	-26.51	0.5	82.2
459	ABC-SM-613	ANIMAL BREEDING CENTRE, SALON	18-11-2011	25	206	-26.57	0.52	77.45
460	SAG-BM-281	SABARMATI ASHRAM GAUSHALA, BIDAJ	11-07-2005	43	425	-27.25	0.78	85.81
461	SAG-BM-224	SABARMATI ASHRAM GAUSHALA, BIDAJ	01-04-2001	55	458	-27.51	-0.01	87.91
462	SAG-BM-263	SABARMATI ASHRAM GAUSHALA, BIDAJ	17-01-2006	90	795	-28.35	0.79	92.14
463	SAG-BM-332	SABARMATI ASHRAM GAUSHALA, BIDAJ	12-01-2008	80	770	-28.59	0.63	91.43
464	NBH-MEHAR	FSBS, NABHA	05-10-2007	35	265	-28.6	0.21	80.73
465	ROH-RM-015	ROHTAK SEMEN STATION, ROHTAK	07-01-2011	64	531	-28.61	1.29	88.1
466	NBH-MANJIT	FSBS, NABHA	18-08-2007	38	308	-28.68	1.08	86.14

Sr. No	Bull ID	Semen Station (Source)	Date of Birth	No of Daughters used in analysis	No of records used for analysis	SNF Yield GBV	SNF % GBV	REL %
467	SAG-BM-289	SABARMATI ASHRAM GAUSHALA, BIDAJ	01-11-2005	72	691	-29.33	0.58	91.56
468	NBH-MIKE	FSBS, NABHA	27-08-2011	28	198	-29.49	0.75	79.76
469	SAG-BM-304	SABARMATI ASHRAM GAUSHALA, BIDAJ	28-03-2007	97	892	-29.93	0.88	92.99
470	ABC-SM-515	ANIMAL BREEDING CENTRE, SALON	15-01-2010	23	197	-30.38	1.58	76.68
471	ROH-RM-002	ROHTAK SEMEN STATION, ROHTAK	05-08-2010	41	250	-31.4	0.73	81.47
472	NBH-MUFTI	FSBS, NABHA	06-05-2012	31	242	-31.87	1.25	79.38
473	NBH-MOHI	FSBS, NABHA	18-08-2008	50	386	-33.38	1.42	87.91
474	NBH-MARSH	FSBS, NABHA	18-12-2009	29	211	-33.92	2.16	79.63
475	ROH-RM-006	ROHTAK SEMEN STATION, ROHTAK	25-08-2010	60	516	-35.13	0.55	87.66
476	SAG-BM-367	SABARMATI ASHRAM GAUSHALA, BIDAJ	06-10-2010	69	608	-35.51	1.11	88.67
477	ROH-RM-008	ROHTAK SEMEN STATION, ROHTAK	02-10-2010	51	454	-36.36	0.91	86.58
478	NBH-MOHAN	FSBS, NABHA	10-06-2012	50	397	-37.74	1.43	85.77
479	NBH-MEEDY	FSBS, NABHA	21-04-2008	64	480	-39.56	0.54	88.94
480	ABC-SM-495	ANIMAL BREEDING CENTRE, SALON	16-12-2009	23	203	-40.59	0.06	75.97
481	SAG-BM-371	SABARMATI ASHRAM GAUSHALA, BIDAJ	08-10-2010	71	563	-44.68	1.37	88.66

**Trait: 305 Day Protein Yield & Fat %**

**Species: Buffalo**

**Breed: Murrah**

**Date of estimation: 9 December 2025**

Sr. No	Bull ID	Semen Station (Source)	Date of Birth	No of Daughters used in analysis	No of records used for analysis	Protein Yield GBV	Protein % GBV	REL %
1	ABC-SM-914	ANIMAL BREEDING CENTRE, SALON	04-03-2015	27	192	18.2	-0.82	75.49

Sr. No	Bull ID	Semen Station (Source)	Date of Birth	No of Daughters used in analysis	No of records used for analysis	Protein Yield GBV	Protein % GBV	REL %
2	SAG-BM-241	SABARMATI ASHRAM GAUSHALA, BIDAJ	28-10-2002	140	1126	17.69	-0.37	94.2
3	SAG-MR-10530	SABARMATI ASHRAM GAUSHALA, BIDAJ	08-05-2015	38	193	16.66	-0.52	80.08
4	RHR-MR-50138	RAHURI SEMEN STATION, AHMEDNAGAR.	19-07-2015	49	392	14.62	-0.6	83.24
5	RHR-MR-50038	RAHURI SEMEN STATION, AHMEDNAGAR.	15-06-2013	40	295	13.75	-0.35	81.04
6	SAG-BM-392	SABARMATI ASHRAM GAUSHALA, BIDAJ	01-08-2011	70	585	13.11	-0.24	88.4
7	RHR-MR-50144	RAHURI SEMEN STATION, AHMEDNAGAR.	11-11-2015	41	329	12.69	-0.42	81.9
8	SAG-MR-10535	SABARMATI ASHRAM GAUSHALA, BIDAJ	09-10-2015	27	134	12.58	-0.62	74.38
9	HBR-194486	HISAR BOVINE SPERM STATION, HARYANA	02-10-2015	47	312	12.37	-0.28	83.97
10	SAG-MR-10426	SABARMATI ASHRAM GAUSHALA, BIDAJ	08-07-2012	91	722	12.35	-0.3	90.75
11	SAG-MR-10448	SABARMATI ASHRAM GAUSHALA, BIDAJ	28-09-2013	65	439	12.28	-0.33	87.56
12	ABC-SM-905	ANIMAL BREEDING CENTRE, SALON	17-09-2014	23	169	11.26	-0.37	71.25
13	SAG-MR-10483	SABARMATI ASHRAM GAUSHALA, BIDAJ	18-09-2014	58	350	11.22	-0.19	85.51
14	ALM-MR-40093	ALAMADHI SEMEN STATION	05-01-2014	49	348	11.19	-0.41	83.62
15	SAG-MR-10437	SABARMATI ASHRAM GAUSHALA, BIDAJ	01-08-2014	66	465	11.17	-0.31	87.5
16	SAG-MR-10481	SABARMATI ASHRAM GAUSHALA, BIDAJ	01-11-2014	79	525	11.04	-0.16	89.74
17	SAG-BM-388	SABARMATI ASHRAM GAUSHALA, BIDAJ	09-01-2011	58	486	11.03	-0.18	86.22
18	SAG-BM-236	SABARMATI ASHRAM	08-08-2003	172	1358	10.94	0.01	95.29

Sr. No	Bull ID	Semen Station (Source)	Date of Birth	No of Daughters used in analysis	No of records used for analysis	Protein Yield GBV	Protein % GBV	REL %
		GAUSHALA, BIDAJ						
19	SAG-MR-10450	SABARMATI ASHRAM GAUSHALA, BIDAJ	05-12-2013	64	496	10.89	-0.4	87.37
20	HIS-PC-476	FROSEN SEMEN BANK, HISSAR	23-07-2008	23	178	10.65	-0.22	79.07
21	HIS-PC-574	FROSEN SEMEN BANK, HISSAR	11-11-2009	167	1226	10.61	0.05	95.19
22	ABC-SM-410	ANIMAL BREEDING CENTRE, SALON	05-10-2008	28	232	9.94	-0.31	78.05
23	SAG-BM-131	SABARMATI ASHRAM GAUSHALA, BIDAJ	22-07-1996	20	201	9.79	-0.13	76.59
24	ROH-RM-004	ROHTAK SEMEN STATION, ROHTAK	09-09-2010	85	724	9.6	-0.17	90.64
25	HIS-M-416	FROSEN SEMEN BANK, HISSAR	29-04-2014	34	228	9.58	-0.6	80.55
26	SAG-MR-10485	SABARMATI ASHRAM GAUSHALA, BIDAJ	11-03-2015	48	284	9.46	-0.15	82.75
27	NBH-MIRAJ	FSBS, NABHA	01-07-2012	42	342	9.44	-0.17	84.53
28	SAG-MR-10418	SABARMATI ASHRAM GAUSHALA, BIDAJ	19-12-2012	68	512	9.41	-0.27	87.62
29	SAG-BM-381	SABARMATI ASHRAM GAUSHALA, BIDAJ	14-10-2010	72	604	9.27	-0.37	88.26
30	SAG-MR-10434	SABARMATI ASHRAM GAUSHALA, BIDAJ	12-11-2011	75	620	9.11	-0.19	89.09
31	ABC-SM-931	ANIMAL BREEDING CENTRE, SALON	27-10-2014	35	240	9.06	-0.17	80.48
32	NBH-MANALI	FSBS, NABHA	04-08-2011	28	223	8.76	0.07	77.28
33	HIS-M-466	FROSEN SEMEN BANK, HISSAR	14-08-2015	65	418	8.66	-0.12	86.73
34	SAG-MR-10509	SABARMATI ASHRAM GAUSHALA, BIDAJ	14-12-2014	47	300	8.55	-0.45	83.18
35	ALM-MR-40162	ALAMADHI SEMEN STATION	09-09-2013	53	424	8.47	-0.08	85.34
36	ALM-MR-40101	ALAMADHI SEMEN STATION	20-07-2013	23	187	8.46	-0.14	73.17
37	SAG-MR-10480	SABARMATI ASHRAM	25-09-2014	42	297	8.35	-0.23	82.23

Sr. No	Bull ID	Semen Station (Source)	Date of Birth	No of Daughters used in analysis	No of records used for analysis	Protein Yield GBV	Protein % GBV	REL %
		GAUSHALA, BIDAJ						
38	NBH-MASTANA	FSBS, NABHA	28-08-2007	27	205	8.29	0.01	78.01
39	SAG-MR-10469	SABARMATI ASHRAM GAUSHALA, BIDAJ	03-08-2014	52	323	8.29	-0.19	84.43
40	ABC-SM-709	ANIMAL BREEDING CENTRE, SALON	25-09-2012	55	464	8.23	-0.14	87.8
41	SAG-MR-10517	SABARMATI ASHRAM GAUSHALA, BIDAJ	10-08-2014	48	296	7.92	-0.38	84.41
42	RHR-MR-50134	RAHURI SEMEN STATION, AHMEDNAGAR.	21-09-2013	42	348	7.86	-0.26	83.45
43	ROP-MELODY	FSS,ROPAR	01-01-2010	45	369	7.76	-0.05	86.1
44	HIS-8864	FROSEN SEMEN BANK, HISSAR	05-12-2010	31	255	7.65	-0.08	81.53
45	SAG-MR-10425	SABARMATI ASHRAM GAUSHALA, BIDAJ	09-03-2012	80	620	7.6	-0.29	89.51
46	JAG-MR-73056	FROSEN SEMEN BANK, JAGADHRI.	12-03-2012	35	221	7.49	-0.06	79.25
47	NBH-MASTER	FSBS, NABHA	29-09-2007	30	250	7.09	0.01	81.47
48	SAG-MR-10518	SABARMATI ASHRAM GAUSHALA, BIDAJ	22-07-2014	57	363	6.99	-0.39	86.1
49	SAG-MR-10511	SABARMATI ASHRAM GAUSHALA, BIDAJ	10-02-2015	29	146	6.9	-0.13	74.81
50	SAG-BM-333	SABARMATI ASHRAM GAUSHALA, BIDAJ	03-06-2008	99	934	6.85	-0.08	92.05
51	GUR-MR-257	FROSEN SEMEN BANK, GURGAON.	20-08-2008	22	160	6.67	-0.76	76.02
52	SAG-BM-307	SABARMATI ASHRAM GAUSHALA, BIDAJ	25-12-2007	105	913	6.59	-0.17	93.13
53	ABC-SM-615	ANIMAL BREEDING CENTRE, SALON	14-11-2011	22	178	6.56	-0.41	75.14
54	NBH-MAST	FSBS, NABHA	07-07-2011	37	302	6.45	0.08	82.09
55	SAG-MR-10467	SABARMATI ASHRAM GAUSHALA, BIDAJ	08-08-2014	66	461	6.43	-0.37	87.57
56	SAG-BM-260	SABARMATI ASHRAM	01-12-2004	146	1127	6.42	-0.23	94.5

Sr. No	Bull ID	Semen Station (Source)	Date of Birth	No of Daughters used in analysis	No of records used for analysis	Protein Yield GBV	Protein % GBV	REL %
		GAUSHALA, BIDAJ						
57	SAG-BM-376	SABARMATI ASHRAM GAUSHALA, BIDAJ	08-10-2010	64	560	6.41	-0.17	86.98
58	SAG-MR-10508	SABARMATI ASHRAM GAUSHALA, BIDAJ	15-05-2015	56	328	6.37	-0.3	84.42
59	ALM-MR-40095	ALAMADHI SEMEN STATION	01-07-2013	57	450	6.35	-0.01	86.55
60	NBH-MULLA	FSBS, NABHA	20-08-2008	121	934	6.31	0.08	93.21
61	ABC-SM-971	ANIMAL BREEDING CENTRE, SALON	24-07-2015	37	241	6.3	-0.14	79.48
62	NBH-MAXY	FSBS, NABHA	09-08-2012	24	181	6.29	0.16	72.74
63	ABC-SM-609	ANIMAL BREEDING CENTRE, SALON	19-10-2011	27	220	6.28	-0.02	78.01
64	HIS-154-M	FROSEN SEMEN BANK, HISSAR	02-06-2009	37	304	6.24	0.25	83.81
65	GUR-MR-81536	FROSEN SEMEN BANK, GURGAON.	10-12-2012	44	322	6.2	-0.12	83.84
66	SAG-BM-347	SABARMATI ASHRAM GAUSHALA, BIDAJ	09-10-2009	131	1178	6.18	-0.11	94.88
67	SAG-MR-10510	SABARMATI ASHRAM GAUSHALA, BIDAJ	01-05-2015	56	329	6.18	-0.19	85.31
68	NBH-MARINA	FSBS, NABHA	27-02-2009	31	214	6.14	0.32	78.66
69	GUR-552762	FROSEN SEMEN BANK, GURGAON.	20-12-2011	40	289	6.11	0.27	81.6
70	SAG-BM-402	SABARMATI ASHRAM GAUSHALA, BIDAJ	06-09-2011	62	514	5.98	0	87.71
71	ALM-MR-40059	ALAMADHI SEMEN STATION	02-02-2013	44	345	5.98	-0.16	84.41
72	SAG-BM-377	SABARMATI ASHRAM GAUSHALA, BIDAJ	21-10-2011	75	608	5.96	-0.09	90.04
73	RHR-MR-50036	RAHURI SEMEN STATION, AHMEDNAGAR.	25-09-2013	35	247	5.96	-0.38	80.33
74	SAG-MR-10488	SABARMATI ASHRAM GAUSHALA, BIDAJ	01-09-2014	53	290	5.93	-0.14	83.83
75	ROP-MOIN	FSS,ROPAR	04-11-2012	40	303	5.81	-0.21	82.06
76	NBH-MOONGA	FSBS, NABHA	27-07-2009	31	247	5.8	0.09	80.42
77	ABC-SM-646	ANIMAL BREEDING	18-11-2012	31	245	5.75	-0.12	82.08

Sr. No	Bull ID	Semen Station (Source)	Date of Birth	No of Daughters used in analysis	No of records used for analysis	Protein Yield GBV	Protein % GBV	REL %
		CENTRE, SALON						
78	SAG-MR-10435	SABARMATI ASHRAM GAUSHALA, BIDAJ	13-07-2013	78	672	5.72	-0.31	89.83
79	SAG-MR-10476	SABARMATI ASHRAM GAUSHALA, BIDAJ	07-09-2014	79	561	5.49	-0.3	89.73
80	RHR-MR-50040	RAHURI SEMEN STATION, AHMEDNAGAR.	10-09-2012	54	380	5.36	-0.1	84.21
81	HIS-102699	FROSEN SEMEN BANK, HISSAR	04-11-2012	169	1327	5.35	0	95.05
82	RHR-MR-50044	RAHURI SEMEN STATION, AHMEDNAGAR.	12-12-2014	55	419	5.3	-0.22	85.77
83	HIS-PC-474	FROSEN SEMEN BANK, HISSAR	22-12-2008	49	373	5.27	0.34	86.23
84	SAG-MR-10420	SABARMATI ASHRAM GAUSHALA, BIDAJ	22-08-2012	78	649	5.17	-0.11	88.96
85	NBH-MAGIC	FSBS, NABHA	09-09-2012	39	320	5.14	-0.41	81.59
86	HIS-75355	FROSEN SEMEN BANK, HISSAR	08-01-2011	41	321	5.13	0.11	84.9
87	ABC-SM-406	ANIMAL BREEDING CENTRE, SALON	02-08-2008	28	204	5.13	-0.5	80.1
88	SAG-MR-10489	SABARMATI ASHRAM GAUSHALA, BIDAJ	02-07-2015	47	280	5.12	-0.33	82.88
89	NBH-MOR	FSBS, NABHA	05-11-2011	32	239	5.01	-0.02	78.87
90	SAG-HEERA	SABARMATI ASHRAM GAUSHALA, BIDAJ	09-09-2012	52	437	5	-0.23	87.85
91	HIS-70577	FROSEN SEMEN BANK, HISSAR	02-10-2007	59	430	4.99	0.08	90.24
92	SAG-BM-373	SABARMATI ASHRAM GAUSHALA, BIDAJ	06-07-2010	63	561	4.94	0.09	87.13
93	SAG-BM-409	SABARMATI ASHRAM GAUSHALA, BIDAJ	20-12-2011	59	497	4.91	-0.16	85.94
94	NBH-MOHIT	FSBS, NABHA	10-01-2008	46	371	4.89	0.18	85.52
95	SAG-MR-10505	SABARMATI ASHRAM GAUSHALA, BIDAJ	07-05-2015	30	162	4.78	0.26	75.99
96	ABC-SM-908	ANIMAL BREEDING CENTRE, SALON	09-11-2014	24	172	4.69	-0.31	71.9

Sr. No	Bull ID	Semen Station (Source)	Date of Birth	No of Daughters used in analysis	No of records used for analysis	Protein Yield GBV	Protein % GBV	REL %
97	HIS-PC-839	FROSEN SEMEN BANK, HISSAR	10-10-2009	22	137	4.66	0.18	73.74
98	SAG-MR-10455	SABARMATI ASHRAM GAUSHALA, BIDAJ	27-11-2013	47	246	4.51	-0.02	81.64
99	ALM-MR-40092	ALAMADHI SEMEN STATION	01-08-2013	34	267	4.51	-0.34	79.99
100	SAG-MR-10439	SABARMATI ASHRAM GAUSHALA, BIDAJ	31-01-2014	57	446	4.44	-0.3	87.11
101	GUR-MR-224	FROSEN SEMEN BANK, GURGAON.	01-07-2008	30	221	4.42	0.08	79.64
102	ROP-MIAN	FSS,ROPAR	21-07-2009	42	363	4.39	-0.09	85.44
103	ABC-SM-645	ANIMAL BREEDING CENTRE, SALON	20-01-2013	43	306	4.35	-0.12	85.6
104	SAG-BM-372	SABARMATI ASHRAM GAUSHALA, BIDAJ	03-11-2010	78	712	4.35	-0.13	89.79
105	SAG-BM-342	SABARMATI ASHRAM GAUSHALA, BIDAJ	09-11-2009	84	746	4.29	-0.13	92
106	SAG-MR-10466	SABARMATI ASHRAM GAUSHALA, BIDAJ	23-08-2014	91	667	4.24	-0.1	90.11
107	GUR-PC-467	FROSEN SEMEN BANK, GURGAON.	15-08-2008	29	217	4.23	-0.02	77.01
108	RHR-MR-50042	RAHURI SEMEN STATION, AHMEDNAGAR.	26-07-2014	32	236	4.14	-0.22	78.13
109	HIS-MR-1116	FROSEN SEMEN BANK, HISSAR	08-07-2011	33	287	3.94	0.14	81.28
110	ROP-MILANO	FSS,ROPAR	09-09-2009	48	379	3.93	-0.06	87.45
111	NBH-MAGHI	FSBS, NABHA	30-09-2009	32	231	3.8	0.23	84.01
112	HIS-451586	FROSEN SEMEN BANK, HISSAR	02-01-2014	41	304	3.74	0.34	83.38
113	ABC-SM-686	ANIMAL BREEDING CENTRE, SALON	13-01-2013	40	340	3.66	-0.2	84.76
114	NBH-MONU	FSBS, NABHA	27-10-2012	42	342	3.65	-0.22	85.09
115	SAG-MR-10441	SABARMATI ASHRAM GAUSHALA, BIDAJ	05-09-2012	64	518	3.58	-0.23	87.24
116	NBH-MANGO	FSBS, NABHA	27-07-2009	30	224	3.56	0.1	83.14
117	SAG-BM-271	SABARMATI ASHRAM GAUSHALA, BIDAJ	29-08-2004	72	704	3.51	-0.26	90.49
118	SAG-MR-10470	SABARMATI ASHRAM	15-10-2014	77	601	3.47	-0.21	89.68

Sr. No	Bull ID	Semen Station (Source)	Date of Birth	No of Daughters used in analysis	No of records used for analysis	Protein Yield GBV	Protein % GBV	REL %
		GAUSHALA, BIDAJ						
119	SAG-BM-362	SABARMATI ASHRAM GAUSHALA, BIDAJ	26-08-2010	77	704	3.46	-0.07	89.99
120	SAG-BM-401	SABARMATI ASHRAM GAUSHALA, BIDAJ	20-08-2011	67	569	3.44	-0.23	88.03
121	ABC-SM-616	ANIMAL BREEDING CENTRE, SALON	16-09-2012	27	221	3.39	0.05	79.44
122	SAG-MR-10411	SABARMATI ASHRAM GAUSHALA, BIDAJ	08-07-2011	82	701	3.37	0	89.7
123	GUR-MR-250	FROSEN SEMEN BANK, GURGAON.	07-11-2010	55	432	3.27	0.03	87.36
124	NBH-MOTI	FSBS, NABHA	07-01-2011	24	192	3.25	-0.01	79.9
125	ABC-SM-667	ANIMAL BREEDING CENTRE, SALON	11-06-2013	60	462	3.25	-0.36	87.64
126	ABC-SM-590	ANIMAL BREEDING CENTRE, SALON	27-10-2012	46	328	3.23	-0.19	82.44
127	NBH-MALIK	FSBS, NABHA	01-09-2012	23	187	3.22	-0.12	73.81
128	HIS-312634	FROSEN SEMEN BANK, HISSAR	05-12-2010	47	376	3.19	-0.3	87.37
129	ROH-RM-030	ROHTAK SEMEN STATION, ROHTAK	02-12-2010	95	773	3.1	0.05	90.97
130	ABC-SM-358	ANIMAL BREEDING CENTRE, SALON	21-10-2007	23	192	3.09	-0.24	76.85
131	HIS-PC-718	FROSEN SEMEN BANK, HISSAR	10-04-2010	34	253	3.07	0.29	82.99
132	HIS-M-444	FROSEN SEMEN BANK, HISSAR	09-11-2014	51	348	3.02	0.15	84.93
133	ABC-SM-398	ANIMAL BREEDING CENTRE, SALON	16-11-2007	36	283	3.02	-0.05	83.11
134	ROP-MALO	FSS,ROPAR	10-11-2009	48	409	2.97	0.11	86.82
135	SAG-BM-396	SABARMATI ASHRAM GAUSHALA, BIDAJ	25-07-2011	68	579	2.97	-0.07	87.7
136	SAG-MR-10459	SABARMATI ASHRAM GAUSHALA, BIDAJ	25-06-2014	74	577	2.96	-0.27	88.8
137	HBR-335640	HISAR BOVINE SPERM STATION, HARYANA	14-09-2014	26	190	2.84	0.07	76.02

Sr. No	Bull ID	Semen Station (Source)	Date of Birth	No of Daughters used in analysis	No of records used for analysis	Protein Yield GBV	Protein % GBV	REL %
138	NBH-MAPPLE	FSBS, NABHA	25-09-2011	40	322	2.78	0.01	84.98
139	SAG-BM-42	SABARMATI ASHRAM GAUSHALA, BIDAJ	25-10-1987	31	298	2.63	-0.09	85.49
140	NBH-MAYUR	FSBS, NABHA	10-09-2012	64	531	2.62	0	88.08
141	SAG-MR-10423	SABARMATI ASHRAM GAUSHALA, BIDAJ	07-03-2011	81	697	2.61	-0.04	89.85
142	SAG-BM-246	SABARMATI ASHRAM GAUSHALA, BIDAJ	01-09-2003	33	304	2.57	-0.08	84.89
143	ROH-RM-007	ROHTAK SEMEN STATION, ROHTAK	14-08-2010	70	647	2.56	-0.03	88.69
144	SAG-BM-272	SABARMATI ASHRAM GAUSHALA, BIDAJ	02-10-2004	85	749	2.56	-0.07	92.02
145	NBH-MAGNET	FSBS, NABHA	11-10-2009	36	241	2.55	-0.05	84.22
146	ABC-SM-701	ANIMAL BREEDING CENTRE, SALON	06-08-2012	61	476	2.55	-0.17	88.11
147	ROH-RM-005	ROHTAK SEMEN STATION, ROHTAK	29-09-2010	86	802	2.5	0.01	90.74
148	ROH-RM-001	ROHTAK SEMEN STATION, ROHTAK	31-05-2010	81	748	2.47	0.12	90.38
149	ROH-RM-016	ROHTAK SEMEN STATION, ROHTAK	20-09-2010	57	490	2.45	-0.18	86.92
150	NBH-MUKAT	FSBS, NABHA	10-10-2007	22	143	2.42	0.17	75.77
151	HIS-MR-321	FROSEN SEMEN BANK, HISSAR	25-12-2011	66	525	2.39	-0.13	88.88
152	SAG-BM-297	SABARMATI ASHRAM GAUSHALA, BIDAJ	13-04-2006	109	1044	2.37	-0.29	93.46
153	NBH-MASON	FSBS, NABHA	11-09-2007	33	247	2.34	0.04	82.66
154	HIS-314269	FROSEN SEMEN BANK, HISSAR	07-08-2011	45	339	2.33	0.08	85.44
155	ABC-SM-707	ANIMAL BREEDING CENTRE, SALON	16-09-2012	31	248	2.33	-0.05	79.83
156	ROH-RM-003	ROHTAK SEMEN STATION, ROHTAK	08-08-2010	100	907	2.27	0.13	91.64
157	NBH-MESSY	FSBS, NABHA	10-12-2011	50	403	2.27	-0.1	85.22
158	SAG-MR-10479	SABARMATI ASHRAM	13-10-2014	61	434	2.23	-0.05	86.87

Sr. No	Bull ID	Semen Station (Source)	Date of Birth	No of Daughters used in analysis	No of records used for analysis	Protein Yield GBV	Protein % GBV	REL %
		GAUSHALA, BIDAJ						
159	SAG-BM-369	SABARMATI ASHRAM GAUSHALA, BIDAJ	20-09-2010	71	605	2.2	0.01	88.41
160	ABC-SM-967	ANIMAL BREEDING CENTRE, SALON	13-06-2014	25	179	2.2	-0.1	72.89
161	HIS-PC-461	FROSEN SEMEN BANK, HISSAR	09-09-2008	29	190	2.14	0.53	85.76
162	SAG-BM-399	SABARMATI ASHRAM GAUSHALA, BIDAJ	08-08-2011	66	503	2.12	0.05	87.96
163	RHR-MR-50037	RAHURI SEMEN STATION, AHMEDNAGAR.	20-07-2013	31	201	2.12	-0.04	76.72
164	SAG-MR-10475	SABARMATI ASHRAM GAUSHALA, BIDAJ	30-09-2014	67	504	2.07	-0.07	87.61
165	SAG-BM-288	SABARMATI ASHRAM GAUSHALA, BIDAJ	09-10-2005	33	311	2.03	0.16	84.31
166	SAG-MR-10428	SABARMATI ASHRAM GAUSHALA, BIDAJ	25-11-2011	73	602	2.01	-0.03	89.35
167	ABC-SM-641	ANIMAL BREEDING CENTRE, SALON	18-12-2012	30	233	2.01	-0.08	76.81
168	NBH-MITHU	FSBS, NABHA	18-08-2009	32	240	2	0.32	80.25
169	SAG-BM-397	SABARMATI ASHRAM GAUSHALA, BIDAJ	20-01-2011	80	657	1.97	0	89.62
170	ALM-MR-40102	ALAMADHI SEMEN STATION	05-01-2014	39	286	1.94	-0.22	81.44
171	SAG-BM-243	SABARMATI ASHRAM GAUSHALA, BIDAJ	02-08-2003	69	574	1.93	-0.01	90.84
172	SAG-MR-10494	SABARMATI ASHRAM GAUSHALA, BIDAJ	06-09-2014	21	96	1.93	-0.01	71.81
173	ROH-RM-013	ROHTAK SEMEN STATION, ROHTAK	20-08-2010	96	820	1.91	-0.04	92
174	SAG-MR-10431	SABARMATI ASHRAM GAUSHALA, BIDAJ	08-08-2012	81	650	1.89	-0.04	89.62
175	ABC-SM-592	ANIMAL BREEDING CENTRE, SALON	21-01-2012	39	317	1.71	-0.19	84.85

Sr. No	Bull ID	Semen Station (Source)	Date of Birth	No of Daughters used in analysis	No of records used for analysis	Protein Yield GBV	Protein % GBV	REL %
176	SAG-MR-10444	SABARMATI ASHRAM GAUSHALA, BIDAJ	23-10-2011	55	350	1.65	-0.08	84.97
177	HIS-M-418	FROSEN SEMEN BANK, HISSAR	25-05-2014	40	280	1.6	-0.02	82.86
178	SAG-BM-349	SABARMATI ASHRAM GAUSHALA, BIDAJ	07-08-2009	97	868	1.59	-0.02	91.91
179	ABC-SM-642	ANIMAL BREEDING CENTRE, SALON	10-10-2012	27	218	1.58	0.09	81.17
180	ABC-SM-466	ANIMAL BREEDING CENTRE, SALON	14-12-2009	26	224	1.54	0.05	81.42
181	SAG-BM-368	SABARMATI ASHRAM GAUSHALA, BIDAJ	20-10-2010	70	607	1.51	0.13	88.97
182	HIS-MR-1029	FROSEN SEMEN BANK, HISSAR	08-02-2011	102	786	1.5	-0.2	92.62
183	SAG-MR-10516	SABARMATI ASHRAM GAUSHALA, BIDAJ	04-10-2014	21	115	1.5	-0.31	70.67
184	SAG-MR-10424	SABARMATI ASHRAM GAUSHALA, BIDAJ	03-09-2012	71	583	1.49	0.05	88.87
185	HBR-530155	HISAR BOVINE SPERM STATION, HARYANA	08-06-2013	33	233	1.49	-0.02	78.41
186	ROP-MAX	FSS,ROPAR	05-11-2009	40	310	1.47	-0.18	85.9
187	SAG-MR-10460	SABARMATI ASHRAM GAUSHALA, BIDAJ	15-10-2014	43	261	1.46	-0.03	81.97
188	SAG-BM-398	SABARMATI ASHRAM GAUSHALA, BIDAJ	15-11-2011	99	821	1.45	-0.16	91.09
189	NBH-MAFIA	FSBS, NABHA	22-08-2012	44	358	1.43	0.18	83.34
190	HIS-151-M	FROSEN SEMEN BANK, HISSAR	04-04-2009	42	314	1.41	0.29	85.86
191	HIS-MR-102699	FROSEN SEMEN BANK, HISSAR	04-11-2012	92	761	1.37	0	92.55
192	ABC-SM-610	ANIMAL BREEDING CENTRE, SALON	12-11-2011	23	181	1.36	-0.28	77.14
193	SAG-MR-10410	SABARMATI ASHRAM GAUSHALA, BIDAJ	25-10-2011	84	679	1.3	-0.06	90.04
194	SAG-BM-248	SABARMATI ASHRAM	22-09-2004	58	509	1.28	-0.3	89.48

Sr. No	Bull ID	Semen Station (Source)	Date of Birth	No of Daughters used in analysis	No of records used for analysis	Protein Yield GBV	Protein % GBV	REL %
		GAUSHALA, BIDAJ						
195	SAG-MR-10416	SABARMATI ASHRAM GAUSHALA, BIDAJ	23-12-2011	99	855	1.27	0.08	91.55
196	ABC-SM-664	ANIMAL BREEDING CENTRE, SALON	01-07-2013	23	176	1.26	-0.27	76.4
197	SAG-MR-10415	SABARMATI ASHRAM GAUSHALA, BIDAJ	18-09-2012	87	697	1.19	0.02	89.96
198	NBH-MINHAS	FSBS, NABHA	01-07-2010	37	271	1.16	0.13	81.71
199	GUR-PC-964	FROSEN SEMEN BANK, GURGAON.	15-10-2010	46	348	1.13	0.28	85.03
200	SAG-MR-10471	SABARMATI ASHRAM GAUSHALA, BIDAJ	11-02-2015	72	543	1.13	-0.2	88.19
201	NBH-SONY	FSBS, NABHA	27-09-2009	246	1990	1.04	0.17	96.05
202	ABC-SM-325	ANIMAL BREEDING CENTRE, SALON	13-01-2007	21	153	1.03	0.09	76.33
203	HIS-MR-102622	FROSEN SEMEN BANK, HISSAR	06-10-2012	45	335	0.99	0.38	84.75
204	SAG-BM-225	SABARMATI ASHRAM GAUSHALA, BIDAJ	28-01-2001	52	445	0.99	0.02	89.03
205	ABC-SM-620	ANIMAL BREEDING CENTRE, SALON	03-07-2012	41	325	0.91	-0.24	82.45
206	ABC-SM-513	ANIMAL BREEDING CENTRE, SALON	08-11-2009	25	208	0.82	0.1	78.24
207	SAG-BM-380	SABARMATI ASHRAM GAUSHALA, BIDAJ	10-12-2010	65	556	0.81	-0.02	87.02
208	ROP-MIKADO	FSS,ROPAR	15-12-2009	28	228	0.75	0.12	81.25
209	ABC-SM-391	ANIMAL BREEDING CENTRE, SALON	27-09-2007	30	224	0.71	-0.04	79.9
210	HIS-M-384	FROSEN SEMEN BANK, HISSAR	06-07-2013	54	376	0.67	-0.16	86.12
211	HIS-150-M	FROSEN SEMEN BANK, HISSAR	02-04-2009	142	923	0.61	-0.08	93.63
212	ABC-SM-394	ANIMAL BREEDING CENTRE, SALON	29-08-2007	29	237	0.6	0.11	82.27
213	NBH-MISHRI	FSBS, NABHA	12-08-2010	36	296	0.52	0.2	82.59
214	SAG-MR-10493	SABARMATI ASHRAM	26-07-2015	48	322	0.49	-0.18	84.03

Sr. No	Bull ID	Semen Station (Source)	Date of Birth	No of Daughters used in analysis	No of records used for analysis	Protein Yield GBV	Protein % GBV	REL %
		GAUSHALA, BIDAJ						
215	ABC-SM-640	ANIMAL BREEDING CENTRE, SALON	01-02-2013	31	284	0.48	0.14	81.62
216	SAG-BM-242	SABARMATI ASHRAM GAUSHALA, BIDAJ	18-08-2003	70	667	0.47	-0.17	89.87
217	ROH-RM-026	ROHTAK SEMEN STATION, ROHTAK	02-07-2010	69	555	0.46	-0.03	87.93
218	SAG-MR-10449	SABARMATI ASHRAM GAUSHALA, BIDAJ	09-10-2013	67	481	0.45	-0.11	87.63
219	SAG-BM-374	SABARMATI ASHRAM GAUSHALA, BIDAJ	20-05-2011	69	585	0.44	0.02	88.19
220	NBH-MARCO	FSBS, NABHA	27-08-2011	23	158	0.44	-0.06	71.98
221	ROP-MAINA	FSS,ROPAR	01-01-2011	23	169	0.34	-0.24	74.64
222	NBH-MOOLI	FSBS, NABHA	14-12-2010	35	263	0.29	0.34	83.88
223	ROP-MIRZA	FSS,ROPAR	22-10-2009	44	329	0.28	0.03	85.07
224	SAG-BM-403	SABARMATI ASHRAM GAUSHALA, BIDAJ	10-01-2011	59	476	0.27	0.09	86.73
225	SAG-MR-10429	SABARMATI ASHRAM GAUSHALA, BIDAJ	20-08-2012	61	421	0.24	0.04	86.83
226	SAG-BM-317	SABARMATI ASHRAM GAUSHALA, BIDAJ	29-09-2007	74	691	0.24	-0.12	90.7
227	SAG-BM-391	SABARMATI ASHRAM GAUSHALA, BIDAJ	08-08-2011	60	515	0.23	0.13	86.36
228	SAG-MR-10551	SABARMATI ASHRAM GAUSHALA, BIDAJ	03-07-2015	24	110	0.23	-0.22	73.78
229	SAG-BM-356	SABARMATI ASHRAM GAUSHALA, BIDAJ	18-08-2010	56	507	0.21	0.19	86.69
230	NBH-MANSA	FSBS, NABHA	09-10-2008	33	231	0.19	0.14	82.33
231	NBH-MEER	FSBS, NABHA	01-11-2009	47	369	0.17	0.19	87.94
232	SAG-MR-10533	SABARMATI ASHRAM GAUSHALA, BIDAJ	06-11-2015	23	122	0.17	-0.13	71.85
233	SAG-SM-517	ANIMAL BREEDING CENTRE, SALON	03-01-2011	31	229	0.16	-0.15	80.97
234	SAG-BM-335	SABARMATI ASHRAM GAUSHALA, BIDAJ	03-10-2008	80	750	0.15	0.06	90.43

Sr. No	Bull ID	Semen Station (Source)	Date of Birth	No of Daughters used in analysis	No of records used for analysis	Protein Yield GBV	Protein % GBV	REL %
235	SAG-MR-10484	SABARMATI ASHRAM GAUSHALA, BIDAJ	14-02-2014	42	281	0.13	-0.09	81.93
236	ALM-MR-40063	ALAMADHI SEMEN STATION	02-08-2012	43	340	0.12	0	84.98
237	ROP-MARUTI	FSS,ROPAR	18-09-2009	27	214	0.08	-0.06	80.12
238	HIS-PC-483	FROSEN SEMEN BANK, HISSAR	21-06-2007	35	257	-0.07	0.02	83.73
239	NBH-MATRU	FSBS, NABHA	18-04-2007	31	238	-0.1	0.03	82.52
240	SAG-MR-10523	SABARMATI ASHRAM GAUSHALA, BIDAJ	10-12-2014	122	723	-0.1	-0.01	92.24
241	ABC-SM-493	ANIMAL BREEDING CENTRE, SALON	20-09-2009	26	215	-0.12	-0.13	80.09
242	ABC-SM-1026	ANIMAL BREEDING CENTRE, SALON	05-07-2015	24	162	-0.14	0.08	70.96
243	ABC-SM-355	ANIMAL BREEDING CENTRE, SALON	15-09-2007	26	209	-0.2	-0.23	79.31
244	SAG-BM-264	SABARMATI ASHRAM GAUSHALA, BIDAJ	10-05-2005	140	1149	-0.25	0.07	94.68
245	NBH-MADHAV	FSBS, NABHA	18-07-2007	25	176	-0.26	0.37	78.22
246	SAG-MR-10442	SABARMATI ASHRAM GAUSHALA, BIDAJ	21-01-2012	67	503	-0.42	0	88.02
247	SAG-MR-10499	SABARMATI ASHRAM GAUSHALA, BIDAJ	05-03-2015	32	178	-0.45	-0.22	77.76
248	NBH-MUKRI	FSBS, NABHA	02-01-2008	28	212	-0.49	0.18	79.51
249	HIS-105144	FROSEN SEMEN BANK, HISSAR	08-08-2009	191	1444	-0.49	0.06	95.64
250	NBH-MEDAL	FSBS, NABHA	16-10-2009	53	361	-0.5	-0.16	85.39
251	ABC-SM-400	ANIMAL BREEDING CENTRE, SALON	16-12-2007	33	279	-0.7	-0.06	84.58
252	SAG-BM-116	SABARMATI ASHRAM GAUSHALA, BIDAJ	14-09-1995	52	481	-0.72	-0.07	88.83
253	SAG-MR-10440	SABARMATI ASHRAM GAUSHALA, BIDAJ	15-09-2013	89	658	-0.72	-0.13	90.63
254	SAG-BM-331	SABARMATI ASHRAM GAUSHALA, BIDAJ	21-01-2009	64	593	-0.73	-0.12	89.66
255	SAG-BM-306	SABARMATI ASHRAM	29-06-2003	39	389	-0.77	-0.17	84.61

Sr. No	Bull ID	Semen Station (Source)	Date of Birth	No of Daughters used in analysis	No of records used for analysis	Protein Yield GBV	Protein % GBV	REL %
		GAUSHALA, BIDAJ						
256	HBR-420605	HISAR BOVINE SPERM STATION, HARYANA	16-09-2013	33	223	-0.78	0.11	78.17
257	NBH-MACHHAR	FSBS, NABHA	26-06-2007	35	257	-0.79	0.13	84.98
258	NBH-MALINGA	FSBS, NABHA	01-12-2009	37	280	-0.87	-0.07	82.74
259	NBH-MAGNUM	FSBS, NABHA	30-09-2014	34	242	-0.89	0.12	80.58
260	SAG-MR-10457	SABARMATI ASHRAM GAUSHALA, BIDAJ	02-12-2013	85	665	-0.95	-0.07	90.41
261	SAG-BM-311	SABARMATI ASHRAM GAUSHALA, BIDAJ	30-07-2006	64	594	-0.97	0.04	89.28
262	ROH-RM-031	ROHTAK SEMEN STATION, ROHTAK	10-10-2012	56	471	-0.99	0.07	86.42
263	NBH-MOJI	FSBS, NABHA	05-08-2008	22	180	-1.02	0.1	76.14
264	ALM-MR-40097	ALAMADHI SEMEN STATION	01-10-2013	32	225	-1.03	-0.04	78.16
265	SAG-BM-251	SABARMATI ASHRAM GAUSHALA, BIDAJ	12-09-2004	100	961	-1.05	0.01	92.41
266	ROP-MILAP	FSS,ROPAR	14-12-2010	45	372	-1.05	-0.03	85.91
267	NBH-MAKBUL	FSBS, NABHA	01-09-2009	35	279	-1.09	0.27	84.56
268	SAG-BM-353	SABARMATI ASHRAM GAUSHALA, BIDAJ	01-10-2010	74	649	-1.14	0.07	89.9
269	ABC-SM-710	ANIMAL BREEDING CENTRE, SALON	06-10-2012	47	386	-1.16	0.04	86.05
270	ALM-MR-40058	ALAMADHI SEMEN STATION	10-10-2012	64	468	-1.27	0.13	88.48
271	GUR-PC-692	FROSEN SEMEN BANK, GURGAON.	02-10-2009	34	264	-1.3	-0.03	80.63
272	HIS-PC-575	FROSEN SEMEN BANK, HISSAR	02-09-2009	133	999	-1.31	0.08	93.35
273	SAG-BM-408	SABARMATI ASHRAM GAUSHALA, BIDAJ	05-01-2011	105	845	-1.33	0.05	91.26
274	ABC-SM-392	ANIMAL BREEDING CENTRE, SALON	25-11-2007	36	279	-1.34	0.42	83.36
275	NBH-MALANG	FSBS, NABHA	03-09-2010	41	337	-1.43	-0.11	82.45
276	NBH-MULTAN	FSBS, NABHA	04-08-2012	36	275	-1.44	0.16	82.94

Sr. No	Bull ID	Semen Station (Source)	Date of Birth	No of Daughters used in analysis	No of records used for analysis	Protein Yield GBV	Protein % GBV	REL %
277	HIS-73114	FROSEN SEMEN BANK, HISSAR	15-01-2010	50	344	-1.49	0.1	86.13
278	NBH-MAJNU	FSBS, NABHA	17-08-2009	39	272	-1.53	0.26	81.85
279	ROH-RM-019	ROHTAK SEMEN STATION, ROHTAK	24-09-2010	80	711	-1.53	-0.08	89.94
280	SAG-BM-378	SABARMATI ASHRAM GAUSHALA, BIDAJ	21-10-2011	109	943	-1.59	-0.01	92.56
281	ROH-RM-032	ROHTAK SEMEN STATION, ROHTAK	01-11-2012	68	543	-1.61	0	88.2
282	ABC-SM-703	ANIMAL BREEDING CENTRE, SALON	10-10-2011	36	308	-1.63	0.08	82.33
283	SAG-MR-10453	SABARMATI ASHRAM GAUSHALA, BIDAJ	23-07-2013	41	237	-1.65	-0.05	82.02
284	ROP-MEET	FSS,ROPAR	10-07-2009	34	288	-1.7	0.15	83.69
285	NBH-MAKHAN	FSBS, NABHA	20-08-2009	57	427	-1.71	-0.06	88.57
286	HIS-155-M	FROSEN SEMEN BANK, HISSAR	02-06-2009	29	218	-1.74	0.04	82.6
287	SAG-BM-231	SABARMATI ASHRAM GAUSHALA, BIDAJ	22-11-2002	37	341	-1.77	-0.14	84.19
288	SAG-MR-10514	SABARMATI ASHRAM GAUSHALA, BIDAJ	22-08-2015	28	144	-1.78	-0.06	74.7
289	ABC-SM-388	ANIMAL BREEDING CENTRE, SALON	08-09-2007	20	156	-1.82	0.48	73.93
290	SAG-MR-10438	SABARMATI ASHRAM GAUSHALA, BIDAJ	04-01-2014	80	641	-1.89	-0.05	89.61
291	ABC-SM-704	ANIMAL BREEDING CENTRE, SALON	01-09-2012	43	353	-1.92	0.08	83.81
292	SAG-BM-310	SABARMATI ASHRAM GAUSHALA, BIDAJ	15-09-2007	77	694	-1.93	0.04	90.37
293	HIS-PC-427	FROSEN SEMEN BANK, HISSAR	03-09-2008	98	643	-1.95	-0.12	90.7
294	SAG-BM-316	SABARMATI ASHRAM GAUSHALA, BIDAJ	02-01-2007	65	611	-1.97	-0.04	88.86
295	NBH-MITTAR	FSBS, NABHA	10-06-2011	45	360	-2.05	0.1	87.61
296	ABC-SM-593	ANIMAL BREEDING	26-12-2011	27	211	-2.05	-0.14	75.71

Sr. No	Bull ID	Semen Station (Source)	Date of Birth	No of Daughters used in analysis	No of records used for analysis	Protein Yield GBV	Protein % GBV	REL %
		CENTRE, SALON						
297	SAG-BM-406	SABARMATI ASHRAM GAUSHALA, BIDA J	31-07-2012	79	653	-2.25	0.06	89.79
298	SAG-MR-10421	SABARMATI ASHRAM GAUSHALA, BIDA J	28-09-2012	64	499	-2.26	-0.03	87.04
299	ABC-SM-740	ANIMAL BREEDING CENTRE, SALON	17-08-2013	124	1011	-2.29	-0.05	93.5
300	SAG-BM-352	SABARMATI ASHRAM GAUSHALA, BIDA J	15-08-2010	50	423	-2.39	0.05	85.47
301	NBH-MUNISH	FSBS, NABHA	25-08-2008	37	290	-2.44	0.29	81.21
302	NBH-MURTZA	FSBS, NABHA	28-12-2010	43	330	-2.53	0.14	87.4
303	ABC-SM-514	ANIMAL BREEDING CENTRE, SALON	26-09-2010	20	161	-2.55	0.14	75.77
304	NBH-MAJID	FSBS, NABHA	28-07-2010	43	337	-2.6	0.06	84.54
305	HIS-72852	FROSEN SEMEN BANK, HISSAR	01-10-2008	26	204	-2.6	-0.08	77.85
306	SAG-BM-262	SABARMATI ASHRAM GAUSHALA, BIDA J	10-09-2005	42	364	-2.61	0.16	86.14
307	ABC-SM-591	ANIMAL BREEDING CENTRE, SALON	12-02-2012	25	200	-2.61	0.16	76.82
308	SAG-BM-252	SABARMATI ASHRAM GAUSHALA, BIDA J	24-11-2004	54	450	-2.68	0.01	87.9
309	SAG-BM-390	SABARMATI ASHRAM GAUSHALA, BIDA J	05-08-2011	86	658	-2.83	0.07	89.65
310	NBH-MAJHA	FSBS, NABHA	01-07-2008	31	236	-2.84	0.04	80.95
311	NBH-MEGH	FSBS, NABHA	12-09-2007	30	244	-2.86	0.12	80.63
312	SAG-BM-293	SABARMATI ASHRAM GAUSHALA, BIDA J	18-11-2005	78	742	-2.94	0	91.58
313	NBH-MOFAR	FSBS, NABHA	20-06-2006	33	252	-2.97	0.35	82.43
314	ABC-SM-660	ANIMAL BREEDING CENTRE, SALON	09-11-2012	33	264	-2.97	0.09	83.68
315	ABC-SM-608	ANIMAL BREEDING CENTRE, SALON	16-09-2011	37	260	-2.97	0.02	82.11
316	NBH-MEHNDI	FSBS, NABHA	02-10-2008	33	267	-2.97	0.01	82.83
317	SAG-MR-10520	SABARMATI ASHRAM	15-04-2015	23	109	-2.97	-0.07	72.81

Sr. No	Bull ID	Semen Station (Source)	Date of Birth	No of Daughters used in analysis	No of records used for analysis	Protein Yield GBV	Protein % GBV	REL %
		GAUSHALA, BIDAJ						
318	ROH-RM-010	ROHTAK SEMEN STATION, ROHTAK	16-10-2010	98	946	-3	0.06	92.28
319	SAG-BM-343	SABARMATI ASHRAM GAUSHALA, BIDAJ	26-01-2009	91	843	-3.07	0.11	90.64
320	SAG-MR-10430	SABARMATI ASHRAM GAUSHALA, BIDAJ	18-07-2012	84	664	-3.14	-0.02	90.01
321	ABC-SM-661	ANIMAL BREEDING CENTRE, SALON	06-08-2012	51	426	-3.17	0.19	85.61
322	SAG-MR-10477	SABARMATI ASHRAM GAUSHALA, BIDAJ	08-11-2014	50	317	-3.24	-0.1	84.36
323	ALM-MR-40064	ALAMADHI SEMEN STATION	04-11-2012	32	255	-3.25	0.17	81.52
324	ALM-MR-40061	ALAMADHI SEMEN STATION	15-08-2012	63	498	-3.26	-0.16	87.21
325	NBH-BOND	FSBS, NABHA	28-07-2008	58	487	-3.28	0.27	88.36
326	NBH-MADY	FSBS, NABHA	18-12-2012	34	248	-3.28	0.14	80.27
327	SAG-MR-10417	SABARMATI ASHRAM GAUSHALA, BIDAJ	19-10-2012	79	651	-3.34	0.17	89.69
328	NBH-METER	FSBS, NABHA	06-08-2008	60	434	-3.37	0.2	86.85
329	HIS-PC-1899	FROSEN SEMEN BANK, HISSAR	05-08-2013	32	241	-3.39	-0.23	79.75
330	NBH-MALUKA	FSBS, NABHA	10-07-2008	41	326	-3.4	0.1	86.33
331	SAG-MR-10513	SABARMATI ASHRAM GAUSHALA, BIDAJ	20-05-2015	48	272	-3.4	0.02	82.93
332	ABC-SM-459	ANIMAL BREEDING CENTRE, SALON	07-09-2009	23	195	-3.41	0.35	77.62
333	ABC-SM-611	ANIMAL BREEDING CENTRE, SALON	03-01-2012	29	221	-3.47	-0.18	79.23
334	HIS-MR-296230	FROSEN SEMEN BANK, HISSAR	10-10-2011	34	211	-3.49	0.12	81.15
335	ABC-SM-395	ANIMAL BREEDING CENTRE, SALON	02-09-2007	45	387	-3.53	0.17	86.76
336	RHR-MR-50136	RAHURI SEMEN STATION, AHMEDNAGAR.	06-08-2015	56	437	-3.53	0.05	86.38

<b>Sr. No</b>	<b>Bull ID</b>	<b>Semen Station (Source)</b>	<b>Date of Birth</b>	<b>No of Daughters used in analysis</b>	<b>No of records used for analysis</b>	<b>Protein Yield GBV</b>	<b>Protein % GBV</b>	<b>REL %</b>
337	HIS-MR-450330	FROSEN SEMEN BANK, HISSAR	02-07-2012	29	188	-3.59	-0.28	76.27
338	GUR-296103	FROSEN SEMEN BANK, GURGAON.	09-08-2011	33	260	-3.61	0.15	79.67
339	GUR-MR-1211	FROSEN SEMEN BANK, GURGAON.	15-08-2011	61	463	-3.66	-0.06	88.52
340	SAG-BM-394	SABARMATI ASHRAM GAUSHALA, BIDAJ	05-03-2011	96	799	-3.69	0	90.91
341	SAG-BM-255	SABARMATI ASHRAM GAUSHALA, BIDAJ	17-10-2004	60	573	-3.7	0.07	88.93
342	ABC-SM-662	ANIMAL BREEDING CENTRE, SALON	10-07-2012	42	349	-3.7	0.06	85.47
343	SAG-BM-266	SABARMATI ASHRAM GAUSHALA, BIDAJ	17-09-2004	119	1079	-3.76	0.17	93.58
344	ABC-SM-396	ANIMAL BREEDING CENTRE, SALON	06-09-2007	26	206	-3.81	0.41	79.77
345	SAG-BM-319	SABARMATI ASHRAM GAUSHALA, BIDAJ	16-09-2007	66	619	-3.81	-0.06	90.83
346	HIS-72850	FROSEN SEMEN BANK, HISSAR	22-09-2008	170	1043	-3.84	-0.05	94.28
347	ABC-SM-665	ANIMAL BREEDING CENTRE, SALON	08-07-2013	40	299	-3.94	0.08	83.31
348	SAG-BM-290	SABARMATI ASHRAM GAUSHALA, BIDAJ	29-08-2004	48	463	-3.94	0.03	86.74
349	SAG-BM-40	SABARMATI ASHRAM GAUSHALA, BIDAJ	10-02-1986	23	197	-3.94	-0.1	89.78
350	SAG-MR-10427	SABARMATI ASHRAM GAUSHALA, BIDAJ	08-01-2012	48	360	-4.02	0.11	84.8
351	ABC-SM-536	ANIMAL BREEDING CENTRE, SALON	15-07-2011	22	184	-4.06	-0.04	73.9
352	SAG-BM-296	SABARMATI ASHRAM GAUSHALA, BIDAJ	17-11-2004	72	669	-4.12	0.21	91.21
353	NBH-MURARI	FSBS, NABHA	19-06-2009	51	384	-4.12	-0.07	86.96
354	SAG-BM-268	SABARMATI ASHRAM	09-10-2004	100	868	-4.29	0.04	93.38

Sr. No	Bull ID	Semen Station (Source)	Date of Birth	No of Daughters used in analysis	No of records used for analysis	Protein Yield GBV	Protein % GBV	REL %
		GAUSHALA, BIDAJ						
355	ABC-SM-621	ANIMAL BREEDING CENTRE, SALON	16-10-2012	41	304	-4.31	0.37	84.41
356	HIS-M-410	FROSEN SEMEN BANK, HISSAR	20-02-2014	28	189	-4.31	0.01	79.82
357	NBH-MASHAL	FSBS, NABHA	27-10-2009	33	262	-4.33	0.01	81.83
358	ABC-SM-409	ANIMAL BREEDING CENTRE, SALON	05-09-2008	41	309	-4.38	-0.04	84.07
359	SAG-BM-274	SABARMATI ASHRAM GAUSHALA, BIDAJ	28-03-2005	85	824	-4.43	-0.04	92.35
360	NBH-MOHALI	FSBS, NABHA	02-02-2011	59	469	-4.44	0.07	86.53
361	SAG-MR-10432	SABARMATI ASHRAM GAUSHALA, BIDAJ	25-06-2013	85	673	-4.44	0	90.17
362	ABC-SM-535	ANIMAL BREEDING CENTRE, SALON	01-08-2011	46	356	-4.46	-0.18	84.2
363	SAG-BM-312	SABARMATI ASHRAM GAUSHALA, BIDAJ	10-09-2007	65	592	-4.63	0.11	89.52
364	NBH-MAVI	FSBS, NABHA	14-05-2008	54	432	-4.64	0.13	87.51
365	NBH-MOBILE	FSBS, NABHA	02-08-2007	35	268	-4.69	0.48	83.73
366	NBH-MANAV	FSBS, NABHA	13-12-2009	31	230	-4.7	0.38	81.59
367	NBH-MICAL	FSBS, NABHA	29-09-2007	50	406	-4.76	0.17	85.01
368	SAG-BM-393	SABARMATI ASHRAM GAUSHALA, BIDAJ	04-09-2011	77	640	-4.85	0.21	89.12
369	ABC-SM-464	ANIMAL BREEDING CENTRE, SALON	17-11-2009	42	321	-4.86	0	84.39
370	ROH-RM-024	ROHTAK SEMEN STATION, ROHTAK	10-09-2010	79	702	-4.87	-0.15	89.21
371	HIS-845511	FROSEN SEMEN BANK, HISSAR	08-01-2011	30	225	-4.89	0.4	80.55
372	SAG-BM-226	SABARMATI ASHRAM GAUSHALA, BIDAJ	17-12-2001	39	332	-4.9	0.02	87.33
373	NBH-MANJU	FSBS, NABHA	25-07-2008	27	217	-4.96	0.04	76.45
374	NBH-MOLANA	FSBS, NABHA	03-08-2009	51	396	-5.01	-0.15	85.53
375	NBH-MISSILE	FSBS, NABHA	01-07-2009	41	320	-5.03	0.22	82.41
376	SAG-BM-385	SABARMATI ASHRAM GAUSHALA, BIDAJ	08-06-2011	82	690	-5.1	0.12	89.3

Sr. No	Bull ID	Semen Station (Source)	Date of Birth	No of Daughters used in analysis	No of records used for analysis	Protein Yield GBV	Protein % GBV	REL %
377	NBH-MONTEK	FSBS, NABHA	23-05-2008	34	275	-5.12	0.33	83.51
378	NBH-MITHUN	FSBS, NABHA	07-06-2009	36	286	-5.16	0.14	80.16
379	ABC-SM-619	ANIMAL BREEDING CENTRE, SALON	30-04-2012	23	208	-5.18	0.09	75.4
380	SAG-MR-10553	SABARMATI ASHRAM GAUSHALA, BIDAJ	25-09-2015	25	120	-5.18	0.05	74.21
381	SAG-BM-395	SABARMATI ASHRAM GAUSHALA, BIDAJ	20-05-2011	90	803	-5.27	0.1	90.72
382	ROH-RM-017	ROHTAK SEMEN STATION, ROHTAK	14-10-2010	52	421	-5.35	0.2	84.96
383	SAG-BM-213	SABARMATI ASHRAM GAUSHALA, BIDAJ	22-02-2002	27	214	-5.35	0.15	80.51
384	RHR-MR-50125	RAHURI SEMEN STATION, AHMEDNAGAR.	19-04-2015	29	220	-5.38	-0.1	78.2
385	NBH-MOKSH	FSBS, NABHA	25-05-2008	40	283	-5.4	0.26	85.36
386	ROH-RM-020	ROHTAK SEMEN STATION, ROHTAK	15-11-2010	77	680	-5.41	0.05	89.45
387	ROP-MOORTI	FSS,ROPAR	05-04-2009	28	190	-5.45	0.39	77.95
388	SAG-BM-303	SABARMATI ASHRAM GAUSHALA, BIDAJ	15-01-2007	78	731	-5.5	-0.1	91.7
389	SAG-MR-10487	SABARMATI ASHRAM GAUSHALA, BIDAJ	27-01-2015	48	312	-5.5	-0.3	83.65
390	SAG-BM-223	SABARMATI ASHRAM GAUSHALA, BIDAJ	20-07-2001	40	337	-5.51	0.07	86.88
391	ROH-RM-009	ROHTAK SEMEN STATION, ROHTAK	08-11-2010	83	689	-5.52	-0.04	89.76
392	ABC-SM-299	ANIMAL BREEDING CENTRE, SALON	23-07-2006	22	173	-5.54	0.15	76.79
393	GUR-MR-281973	FROSEN SEMEN BANK, GURGAON.	09-08-2013	53	393	-5.58	0.14	85.75
394	SAG-BM-358	SABARMATI ASHRAM GAUSHALA, BIDAJ	28-08-2010	106	1012	-5.62	0.09	92.31
395	SAG-BM-273	SABARMATI ASHRAM GAUSHALA, BIDAJ	25-08-2004	87	823	-5.74	-0.05	92.9

Sr. No	Bull ID	Semen Station (Source)	Date of Birth	No of Daughters used in analysis	No of records used for analysis	Protein Yield GBV	Protein % GBV	REL %
396	SAG-MR-10540	SABARMATI ASHRAM GAUSHALA, BIDAJ	12-11-2015	53	325	-5.77	0.08	84.27
397	ABC-SM-384	ANIMAL BREEDING CENTRE, SALON	18-07-2007	31	235	-5.81	0.17	81.2
398	SAG-BM-292	SABARMATI ASHRAM GAUSHALA, BIDAJ	08-09-2005	87	821	-5.82	-0.12	92.09
399	ABC-SM-614	ANIMAL BREEDING CENTRE, SALON	20-09-2011	22	168	-5.84	-0.28	74.73
400	ABC-SM-463	ANIMAL BREEDING CENTRE, SALON	14-11-2009	23	173	-5.89	0.21	78.01
401	SAG-BM-354	SABARMATI ASHRAM GAUSHALA, BIDAJ	04-07-2010	73	636	-5.9	-0.04	89.59
402	HIS-72860	FROSEN SEMEN BANK, HISSAR	21-11-2009	43	345	-5.93	0.33	86.22
403	NBH-MIRCH	FSBS, NABHA	25-12-2010	38	303	-6	0.08	85.17
404	ABC-SM-637	ANIMAL BREEDING CENTRE, SALON	24-02-2013	44	363	-6.01	0.01	87.19
405	NBH-MUDRA	FSBS, NABHA	16-07-2009	22	190	-6.06	0.22	76.09
406	NBH-MUSA	FSBS, NABHA	02-01-2008	21	153	-6.14	0.19	76.62
407	SAG-BM-294	SABARMATI ASHRAM GAUSHALA, BIDAJ	25-10-2005	86	852	-6.15	0.04	91.94
408	SAG-BM-295	SABARMATI ASHRAM GAUSHALA, BIDAJ	17-10-2005	96	889	-6.24	0.09	92.61
409	SAG-BM-370	SABARMATI ASHRAM GAUSHALA, BIDAJ	06-12-2010	96	808	-6.27	0.21	91.09
410	ABC-SM-589	ANIMAL BREEDING CENTRE, SALON	31-12-2011	37	262	-6.27	0.01	80.9
411	SAG-BM-359	SABARMATI ASHRAM GAUSHALA, BIDAJ	18-11-2010	88	767	-6.31	0.21	90.96
412	SAG-BM-308	SABARMATI ASHRAM GAUSHALA, BIDAJ	11-08-2007	75	666	-6.33	0.11	90.98
413	NBH-MEHTA	FSBS, NABHA	26-06-2008	39	303	-6.37	0.22	82.41
414	SAG-MR-10536	SABARMATI ASHRAM GAUSHALA, BIDAJ	01-08-2015	22	106	-6.4	-0.11	73.2

Sr. No	Bull ID	Semen Station (Source)	Date of Birth	No of Daughters used in analysis	No of records used for analysis	Protein Yield GBV	Protein % GBV	REL %
415	HIS-B-1-330	FROSEN SEMEN BANK, HISSAR	29-12-2005	67	491	-6.56	0.18	90.75
416	GUR-MR-720	FROSEN SEMEN BANK, GURGAON.	04-06-2010	40	310	-6.57	0.34	82.08
417	SAG-BM-322	SABARMATI ASHRAM GAUSHALA, BIDAJ	01-03-2007	59	553	-6.58	0.18	88.78
418	ABC-SM-622	ANIMAL BREEDING CENTRE, SALON	22-11-2012	29	211	-6.85	0.08	81.36
419	SAG-BM-298	SABARMATI ASHRAM GAUSHALA, BIDAJ	04-03-2006	73	691	-6.91	0.03	91.37
420	SAG-BM-287	SABARMATI ASHRAM GAUSHALA, BIDAJ	18-01-2006	63	590	-6.93	0.19	90.4
421	SAG-BM-245	SABARMATI ASHRAM GAUSHALA, BIDAJ	31-10-2002	37	347	-6.93	-0.15	87.44
422	ABC-SM-404	ANIMAL BREEDING CENTRE, SALON	21-05-2008	32	269	-7.01	0.26	82.27
423	SAG-BM-339	SABARMATI ASHRAM GAUSHALA, BIDAJ	14-02-2009	95	853	-7.11	-0.03	91.69
424	ROH-RM-027	ROHTAK SEMEN STATION, ROHTAK	04-09-2010	61	529	-7.12	0.2	86.89
425	SAG-BM-346	SABARMATI ASHRAM GAUSHALA, BIDAJ	09-11-2008	79	716	-7.18	0.3	90.25
426	ALM-MR-40060	ALAMADHI SEMEN STATION	24-08-2012	31	254	-7.18	-0.15	77.96
427	ABC-SM-899	ANIMAL BREEDING CENTRE, SALON	08-12-2014	29	206	-7.21	-0.01	77.08
428	ABC-SM-401	ANIMAL BREEDING CENTRE, SALON	04-02-2008	35	282	-7.22	0.24	82.68
429	NBH-MINTU	FSBS, NABHA	04-07-2007	39	280	-7.25	0.19	84.68
430	SAG-BM-357	SABARMATI ASHRAM GAUSHALA, BIDAJ	17-09-2009	89	820	-7.27	0.2	91.1
431	GUR-003343	FROSEN SEMEN BANK, GURGAON.	31-07-2009	36	283	-7.27	0.01	80.48
432	NBH-MIG	FSBS, NABHA	10-09-2009	38	276	-7.29	0.15	84.92
433	SAG-BM-326	SABARMATI ASHRAM	25-12-2008	41	364	-7.4	0.14	86.93

Sr. No	Bull ID	Semen Station (Source)	Date of Birth	No of Daughters used in analysis	No of records used for analysis	Protein Yield GBV	Protein % GBV	REL %
		GAUSHALA, BIDAJ						
434	HIS-PC-1942	FROSEN SEMEN BANK, HISSAR	14-12-2013	34	275	-7.42	-0.44	79.64
435	SAG-BM-277	SABARMATI ASHRAM GAUSHALA, BIDAJ	15-01-2005	76	649	-7.46	0.07	91.47
436	SAG-BM-400	SABARMATI ASHRAM GAUSHALA, BIDAJ	15-07-2011	84	683	-7.55	0.23	90.34
437	ROH-RM-012	ROHTAK SEMEN STATION, ROHTAK	16-12-2010	81	749	-7.55	0.08	90.38
438	NBH-MUNDIR	FSBS, NABHA	04-11-2011	22	174	-7.62	0.25	72.55
439	SAG-BM-270	SABARMATI ASHRAM GAUSHALA, BIDAJ	01-09-2004	71	619	-7.63	0.23	90.99
440	ABC-SM-613	ANIMAL BREEDING CENTRE, SALON	18-11-2011	25	206	-7.63	0.18	76.43
441	NBH-MARSHAL	FSBS, NABHA	02-10-2009	28	199	-7.67	0.33	79.16
442	NBH-MUKHI	FSBS, NABHA	14-02-2009	30	216	-7.71	0.05	77.52
443	ABC-SM-386	ANIMAL BREEDING CENTRE, SALON	20-08-2007	44	349	-7.73	0.24	85.88
444	NBH-MATHEW	FSBS, NABHA	19-02-2009	66	492	-7.77	0.09	87.79
445	SAG-BM-318	SABARMATI ASHRAM GAUSHALA, BIDAJ	05-01-2008	77	726	-7.79	0.07	91.6
446	NBH-MANDU	FSBS, NABHA	05-11-2009	30	216	-7.87	0.25	81.82
447	SAG-BM-305	SABARMATI ASHRAM GAUSHALA, BIDAJ	01-09-2006	88	800	-7.87	0.12	91.85
448	HIS-PC-665	FROSEN SEMEN BANK, HISSAR	14-11-2009	30	207	-7.89	0.24	78.46
449	NBH-MUKUND	FSBS, NABHA	28-07-2006	30	224	-7.93	0.18	83.23
450	SAG-BM-267	SABARMATI ASHRAM GAUSHALA, BIDAJ	12-09-2004	25	205	-7.94	0.52	78.61
451	SAG-BM-247	SABARMATI ASHRAM GAUSHALA, BIDAJ	18-05-2004	34	292	-7.94	0	84.84
452	SAG-BM-375	SABARMATI ASHRAM GAUSHALA, BIDAJ	30-08-2010	70	523	-7.97	0.15	87.72
453	SAG-BM-379	SABARMATI ASHRAM	13-11-2010	80	676	-8.03	0.09	89.57

Sr. No	Bull ID	Semen Station (Source)	Date of Birth	No of Daughters used in analysis	No of records used for analysis	Protein Yield GBV	Protein % GBV	REL %
		GAUSHALA, BIDAJ						
454	SAG-BM-329	SABARMATI ASHRAM GAUSHALA, BIDAJ	29-12-2008	63	612	-8.06	0.18	89.17
455	ABC-SM-465	ANIMAL BREEDING CENTRE, SALON	20-11-2009	25	203	-8.34	0.43	78.45
456	SAG-BM-315	SABARMATI ASHRAM GAUSHALA, BIDAJ	21-12-2007	76	696	-8.39	0.12	90.07
457	SAG-BM-299	SABARMATI ASHRAM GAUSHALA, BIDAJ	02-01-2006	63	599	-8.4	0.09	90.1
458	NBH-MADHUR	FSBS, NABHA	15-09-2008	40	286	-8.41	0.15	85.36
459	NBH-MATHURA	FSBS, NABHA	03-10-2007	53	433	-8.48	0.21	88.67
460	ABC-SM-666	ANIMAL BREEDING CENTRE, SALON	08-09-2013	52	402	-8.53	0.13	85.36
461	NBH-MELA	FSBS, NABHA	03-10-2007	38	296	-8.75	0.19	84.28
462	ROH-RM-018	ROHTAK SEMEN STATION, ROHTAK	27-01-2011	83	703	-8.83	0.23	90.56
463	HBR-603768	HISAR BOVINE SPERM STATION, HARYANA	20-12-2014	39	264	-8.9	0.14	80.06
464	NBH-MAXON	FSBS, NABHA	20-09-2007	39	287	-8.96	0.2	83.51
465	NBH-MEHAR	FSBS, NABHA	05-10-2007	35	265	-8.98	0.06	79.83
466	SAG-BM-221	SABARMATI ASHRAM GAUSHALA, BIDAJ	09-09-2002	47	397	-9.14	0.1	88.35
467	SAG-BM-386	SABARMATI ASHRAM GAUSHALA, BIDAJ	09-01-2011	74	631	-9.25	0.14	88.61
468	SAG-BM-363	SABARMATI ASHRAM GAUSHALA, BIDAJ	14-11-2010	62	535	-9.53	0.01	87.1
469	ABC-SM-515	ANIMAL BREEDING CENTRE, SALON	15-01-2010	23	197	-9.61	0.48	76.03
470	SAG-BM-224	SABARMATI ASHRAM GAUSHALA, BIDAJ	01-04-2001	55	458	-9.95	-0.06	87.31
471	NBH-MARCH	FSBS, NABHA	11-10-2007	34	239	-9.99	0.12	83.9
472	SAG-BM-281	SABARMATI ASHRAM GAUSHALA, BIDAJ	11-07-2005	43	425	-10.01	0.18	85.22
473	ROH-RM-015	ROHTAK SEMEN	07-01-2011	64	531	-10.1	0.35	87.35

Sr. No	Bull ID	Semen Station (Source)	Date of Birth	No of Daughters used in analysis	No of records used for analysis	Protein Yield GBV	Protein % GBV	REL %
		STATION, ROHTAK						
474	SAG-BM-263	SABARMATI ASHRAM GAUSHALA, BIDAJ	17-01-2006	90	795	-10.13	0.19	91.71
475	SAG-BM-275	SABARMATI ASHRAM GAUSHALA, BIDAJ	05-01-2006	67	622	-10.33	-0.1	90.39
476	ABC-SM-489	ANIMAL BREEDING CENTRE, SALON	16-08-2010	22	144	-10.35	0.06	73.06
477	NBH-MANJIT	FSBS, NABHA	18-08-2007	38	308	-10.39	0.27	85.77
478	SAG-BM-332	SABARMATI ASHRAM GAUSHALA, BIDAJ	12-01-2008	80	770	-10.54	0.13	91.01
479	SAG-MR-10464	SABARMATI ASHRAM GAUSHALA, BIDAJ	12-09-2014	54	379	-10.57	-0.11	85.26
480	SAG-BM-304	SABARMATI ASHRAM GAUSHALA, BIDAJ	28-03-2007	97	892	-10.68	0.21	92.66
481	ROH-RM-002	ROHTAK SEMEN STATION, ROHTAK	05-08-2010	41	250	-10.79	0.18	80.31
482	NBH-MUFTI	FSBS, NABHA	06-05-2012	31	242	-10.87	0.34	78.36
483	SAG-BM-278	SABARMATI ASHRAM GAUSHALA, BIDAJ	15-08-2005	32	304	-11.04	0.06	82.57
484	NBH-MINDA	FSBS, NABHA	05-04-2008	60	455	-11.14	-0.05	87.86
485	NBH-MANILA	FSBS, NABHA	05-01-2007	37	270	-11.21	0.04	82.28
486	SAG-BM-289	SABARMATI ASHRAM GAUSHALA, BIDAJ	01-11-2005	72	691	-11.65	0.08	91.19
487	HIS-281962	FROSEN SEMEN BANK, HISSAR	18-07-2014	43	319	-11.89	-0.11	82.4
488	NBH-MALAH	FSBS, NABHA	09-03-2009	36	280	-12.16	-0.01	81.29
489	NBH-MOHAN	FSBS, NABHA	10-06-2012	50	397	-12.34	0.41	84.93
490	NBH-MIKE	FSBS, NABHA	27-08-2011	28	198	-12.75	0.09	78.64
491	ROH-RM-006	ROHTAK SEMEN STATION, ROHTAK	25-08-2010	60	516	-12.88	0.09	86.97
492	ROH-RM-008	ROHTAK SEMEN STATION, ROHTAK	02-10-2010	51	454	-12.95	0.21	85.95
493	NBH-MOHI	FSBS, NABHA	18-08-2008	50	386	-13.83	0.3	87.46
494	NBH-MARSH	FSBS, NABHA	18-12-2009	29	211	-14.17	0.52	78.81
495	SAG-BM-367	SABARMATI ASHRAM GAUSHALA, BIDAJ	06-10-2010	69	609	-14.17	0.21	87.99
496	HIS-PC-1909	FROSEN SEMEN BANK, HISSAR	20-11-2013	20	152	-14.75	0.31	70.86

Sr. No	Bull ID	Semen Station (Source)	Date of Birth	No of Daughters used in analysis	No of records used for analysis	Protein Yield GBV	Protein % GBV	REL %
497	ABC-SM-495	ANIMAL BREEDING CENTRE, SALON	16-12-2009	23	203	-14.98	-0.08	75.02
498	NBH-MEEDY	FSBS, NABHA	21-04-2008	64	480	-15.83	0.02	88.21
499	SAG-BM-371	SABARMATI ASHRAM GAUSHALA, BIDAJ	08-10-2010	71	563	-17.27	0.28	87.92

**Genomic Breeding Values for Murrah bulls – Based on data from SAG PT Project**

**Trait: Age at First Calving (AFC)**

**Species : Murrah**

**Breed: Murrah**

**Date of estimation: 02 March 2026**

S. No.	Bull ID	Semen station (source)	Date of Birth	No. of daughters used for analysis	GBV AFC (days)	REL (%)
1	SAG-MR-10476	SAG Bidaj	07-09-2014	67	93.88	65.21
2	ROH-RM-026	ROHTAK SEMEN STATION, ROHTAK	02-07-2010	73	91.24	61.25
3	SAG-BM-335	SAG Bidaj	03-10-2008	81	82.58	69.5
4	SAG-MR-10420	SAG Bidaj	22-08-2012	73	76.52	60.37
5	SAG-MR-10428	SAG Bidaj	25-11-2011	73	76.46	66.84
6	SAG-MR-10448	SAG Bidaj	28-09-2013	63	74.26	61.45
7	SAG-BM-357	SAG Bidaj	17-09-2009	82	70.66	68.29
8	SAG-MR-10437	SAG Bidaj	01-08-2014	61	70.46	60.5
9	SAG-MR-10410	SAG Bidaj	25-10-2011	79	67.72	66.69
10	SAG-BM-379	SAG Bidaj	13-11-2010	85	61.51	65.68
11	SAG-MR-10424	SAG Bidaj	03-09-2012	71	60.23	62.99
12	SAG-BM-266	SAG Bidaj	17-09-2004	81	59.64	73.47
13	SAG-MR-10425	SAG Bidaj	09-03-2012	76	59.62	67.02
14	SAG-MR-10467	SAG Bidaj	08-08-2014	68	57.07	64.95
15	SAG-MR-10432	SAG Bidaj	25-06-2013	88	55.5	68.49
16	SAG-BM-375	SAG Bidaj	30-08-2010	61	51	60.18
17	SAG-BM-342	SAG Bidaj	09-11-2009	78	50.14	72.15
18	SAG-BM-339	SAG Bidaj	14-02-2009	97	46.56	71.78
19	SAG-MR-10449	SAG Bidaj	09-10-2013	60	44.41	64.8
20	ROH-RM-016	ROHTAK SEMEN STATION, ROHTAK	20-09-2010	55	41.9	61.76
21	ROH-RM-001	ROHTAK SEMEN STATION, ROHTAK	31-05-2010	83	41.48	71.08
22	SAG-MR-10440	SAG Bidaj	15-09-2013	67	40.09	61
23	SAG-MR-10416	SAG Bidaj	23-12-2011	96	39.58	69.78
24	SAG-BM-372	SAG Bidaj	03-11-2010	89	39.43	66.81
25	SAG-BM-347	SAG Bidaj	09-10-2009	85	39.16	80.25
26	SAG-MR-10470	SAG Bidaj	15-10-2014	79	35.1	64.28

S. No.	Bull ID	Semen station (source)	Date of Birth	No. of daughters used for analysis	GBV AFC (days)	REL (%)
27	ROH-RM-012	ROHTAK SEMEN STATION, ROHTAK	16-12-2010	68	33.98	61.13
28	SAG-MR-10466	SAG Bidaj	23-08-2014	89	31.31	67.8
29	SAG-BM-398	SAG Bidaj	15-11-2011	91	30.57	65.75
30	SAG-BM-377	SAG Bidaj	21-10-2011	78	29.81	67.86
31	SAG-BM-369	SAG Bidaj	20-09-2010	66	26.71	60.19
32	SAG-BM-346	SAG Bidaj	09-11-2008	72	24.53	67.49
33	SAG-BM-400	SAG Bidaj	15-07-2011	79	23.98	65.6
34	SAG-BM-329	SAG Bidaj	29-12-2008	66	23.44	69.84
35	SAG-BM-303	SAG Bidaj	15-01-2007	86	20.87	74.74
36	SAG-BM-395	SAG Bidaj	20-05-2011	96	18.47	67.13
37	SAG-MR-10434	SAG Bidaj	12-11-2011	75	16.77	65.31
38	SAG-MR-10426	SAG Bidaj	08-07-2012	88	16.72	67.19
39	SAG-BM-242	SAG Bidaj	18-08-2003	82	15.56	68.9
40	SAG-BM-310	SAG Bidaj	15-09-2007	65	13.77	70.92
41	SAG-BM-390	SAG Bidaj	05-08-2011	76	13.04	61.11
42	SAG-BM-392	SAG Bidaj	01-08-2011	69	12.89	60.94
43	SAG-MR-10459	SAG Bidaj	25-06-2014	66	11.7	62.84
44	ABC-SM-740	ABC Salon	17-08-2013	62	11.18	75.13
45	SAG-BM-312	SAG Bidaj	10-09-2007	54	10.56	68.2
46	SAG-MR-10421	SAG Bidaj	28-09-2012	65	9.73	61.87
47	SAG-BM-343	SAG Bidaj	26-01-2009	87	9.72	63.7
48	SAG-MR-10442	SAG Bidaj	21-01-2012	68	6.97	62.21
49	SAG-BM-397	SAG Bidaj	20-01-2011	69	6.96	61.16
50	SAG-BM-326	SAG Bidaj	25-12-2008	42	4.32	69.72
51	ROH-RM-013	ROHTAK SEMEN STATION, ROHTAK	20-08-2010	69	3.06	71.45
52	SAG-BM-40	SAG Bidaj	10-02-1986	15	2.52	74.79
53	ROH-RM-020	ROHTAK SEMEN STATION, ROHTAK	15-11-2010	77	2.48	65.65
54	SAG-BM-306	SAG Bidaj	29-06-2003	35	1.72	63.15
55	SAG-BM-362	SAG Bidaj	26-08-2010	79	0.69	67.12
56	SAG-MR-10481	SAG Bidaj	01-11-2014	51	0.59	62.75
57	SAG-BM-394	SAG Bidaj	05-03-2011	97	0.1	66.45
58	SAG-BM-311	SAG Bidaj	30-07-2006	63	-0.14	68.43
59	SAG-BM-315	SAG Bidaj	21-12-2007	56	-0.41	65.01
60	ROH-RM-003	ROHTAK SEMEN STATION, ROHTAK	08-08-2010	72	-2.09	66.01
61	SAG-MR-10439	SAG Bidaj	31-01-2014	59	-3.96	63.29
62	SAG-MR-10438	SAG Bidaj	04-01-2014	82	-4.76	66.85
63	SAG-BM-290	SAG Bidaj	29-08-2004	41	-7.38	63.26
64	SAG-BM-296	SAG Bidaj	17-11-2004	57	-7.62	75.88
65	SAG-MR-10431	SAG Bidaj	08-08-2012	84	-7.95	66
66	SAG-BM-378	SAG Bidaj	21-10-2011	104	-8.84	73.14
67	SAG-MR-10423	SAG Bidaj	07-03-2011	73	-9.34	61.78
68	ROH-RM-010	ROHTAK SEMEN STATION, ROHTAK	16-10-2010	94	-9.49	72.03
69	SAG-BM-374	SAG Bidaj	20-05-2011	73	-10.77	60.8
70	SAG-BM-406	SAG Bidaj	31-07-2012	74	-11.13	65.06
71	SAG-BM-318	SAG Bidaj	05-01-2008	76	-11.88	77.65

S. No.	Bull ID	Semen station (source)	Date of Birth	No. of daughters used for analysis	GBV AFC (days)	REL (%)
72	ROH-RM-019	ROHTAK SEMEN STATION, ROHTAK	24-09-2010	76	-11.9	65.28
73	SAG-BM-316	SAG Bidaj	02-01-2007	57	-12.08	65.77
74	ROH-RM-007	ROHTAK SEMEN STATION, ROHTAK	14-08-2010	78	-13.69	68.95
75	SAG-BM-402	SAG Bidaj	06-09-2011	60	-14.63	60.34
76	SAG-BM-331	SAG Bidaj	21-01-2009	57	-16.08	72.68
77	SAG-MR-10430	SAG Bidaj	18-07-2012	75	-16.15	64.35
78	ROH-RM-009	ROHTAK SEMEN STATION, ROHTAK	08-11-2010	77	-18.72	62.31
79	SAG-BM-386	SAG Bidaj	09-01-2011	78	-19.05	60.49
80	SAG-BM-304	SAG Bidaj	28-03-2007	90	-19.22	76.57
81	SAG-BM-288	SAG Bidaj	09-10-2005	45	-19.7	64.84
82	SAG-BM-278	SAG Bidaj	15-08-2005	38	-19.88	60.46
83	ROH-RM-030	ROHTAK SEMEN STATION, ROHTAK	02-12-2010	86	-22.63	65.69
84	SAG-BM-223	SAG Bidaj	20-07-2001	29	-23.13	63.35
85	SAG-MR-10417	SAG Bidaj	19-10-2012	77	-23.14	69.74
86	SAG-BM-243	SAG Bidaj	02-08-2003	32	-24.31	62.87
87	ROH-RM-004	ROHTAK SEMEN STATION, ROHTAK	09-09-2010	64	-25.23	65.18
88	SAG-BM-263	SAG Bidaj	17-01-2006	89	-25.85	70.68
89	SAG-BM-332	SAG Bidaj	12-01-2008	75	-27.32	69.83
90	SAG-MR-10415	SAG Bidaj	18-09-2012	88	-28.11	63.1
91	SAG-BM-299	SAG Bidaj	02-01-2006	58	-29.59	72.13
92	SAG-BM-319	SAG Bidaj	16-09-2007	65	-30.32	76.59
93	SAG-BM-241	SAG Bidaj	28-10-2002	38	-31.55	66.78
94	SAG-BM-298	SAG Bidaj	04-03-2006	69	-32.5	75.31
95	ROH-RM-005	ROHTAK SEMEN STATION, ROHTAK	29-09-2010	77	-32.56	71.85
96	SAG-BM-275	SAG Bidaj	05-01-2006	84	-33.32	74.44
97	SAG-BM-226	SAG Bidaj	17-12-2001	34	-35.02	69.02
98	SAG-BM-264	SAG Bidaj	10-05-2005	33	-35.28	75.99
99	SAG-BM-274	SAG Bidaj	28-03-2005	93	-36.16	77.31
100	SAG-BM-42	SAG Bidaj	25-10-1987	36	-36.2	65.23
101	SAG-BM-317	SAG Bidaj	29-09-2007	68	-37.13	71.44
102	SAG-BM-308	SAG Bidaj	11-08-2007	72	-40.22	74.41
103	SAG-BM-368	SAG Bidaj	20-10-2010	76	-40.33	66.27
104	SAG-BM-260	SAG Bidaj	01-12-2004	47	-40.62	71.61
105	SAG-BM-272	SAG Bidaj	02-10-2004	56	-40.92	73.36
106	SAG-BM-289	SAG Bidaj	01-11-2005	76	-41.65	75.13
107	SAG-BM-294	SAG Bidaj	25-10-2005	96	-41.73	74.95
108	SAG-BM-292	SAG Bidaj	08-09-2005	78	-42.26	74.87
109	SAG-MR-10429	SAG Bidaj	20-08-2012	59	-42.57	64.58
110	SAG-BM-247	SAG Bidaj	18-05-2004	26	-43.82	61.06
111	SAG-BM-271	SAG Bidaj	29-08-2004	73	-44.36	71.31
112	SAG-BM-353	SAG Bidaj	01-10-2010	77	-45.87	68.25
113	ROH-RM-018	ROHTAK SEMEN STATION, ROHTAK	27-01-2011	59	-46.62	66.43
114	SAG-BM-245	SAG Bidaj	31-10-2002	26	-47.1	69.9
115	SAG-BM-358	SAG Bidaj	28-08-2010	105	-47.74	72.95
116	SAG-BM-333	SAG Bidaj	03-06-2008	89	-47.78	70.82
117	SAG-BM-359	SAG Bidaj	18-11-2010	89	-48.8	70.51
118	SAG-BM-305	SAG Bidaj	01-09-2006	90	-49.08	74.24
119	SAG-BM-295	SAG Bidaj	17-10-2005	88	-49.44	74.22
120	SAG-BM-277	SAG Bidaj	15-01-2005	75	-52.75	77.38
121	SAG-BM-293	SAG Bidaj	18-11-2005	84	-52.88	77.22
122	SAG-BM-246	SAG Bidaj	01-09-2003	29	-53.36	62.91

S. No.	Bull ID	Semen station (source)	Date of Birth	No. of daughters used for analysis	GBV AFC (days)	REL (%)
123	SAG-MR-10435	SAG Bidaj	13-07-2013	73	-53.83	64.38
124	SAG-BM-268	SAG Bidaj	09-10-2004	70	-54.02	78.81
125	SAG-BM-297	SAG Bidaj	13-04-2006	114	-54.57	77.57
126	SAG-BM-349	SAG Bidaj	07-08-2009	92	-54.79	71.58
127	SAG-BM-307	SAG Bidaj	25-12-2007	101	-55.06	76.71
128	SAG-BM-225	SAG Bidaj	28-01-2001	29	-56.36	67.01
129	SAG-BM-354	SAG Bidaj	04-07-2010	72	-57.83	67.23
130	SAG-BM-287	SAG Bidaj	18-01-2006	68	-57.84	72.93
131	SAG-BM-270	SAG Bidaj	01-09-2004	42	-63.13	70.22
132	SAG-BM-370	SAG Bidaj	06-12-2010	97	-66.15	70.87
133	SAG-BM-236	SAG Bidaj	08-08-2003	33	-69.25	71.78
134	SAG-BM-262	SAG Bidaj	10-09-2005	38	-73.02	63.73
135	SAG-BM-322	SAG Bidaj	01-03-2007	52	-74.45	69.49
136	SAG-BM-221	SAG Bidaj	09-09-2002	28	-75.63	66.25
137	SAG-BM-273	SAG Bidaj	25-08-2004	99	-77.89	80.59
138	SAG-MR-10411	SAG Bidaj	08-07-2011	80	-83.79	62.06
139	SAG-BM-408	SAG Bidaj	05-01-2011	98	-86.13	65.57
140	ROH-RM-032	ROHTAK SEMEN STATION, ROHTAK	01-11-2012	68	-88.78	64.54
141	SAG-BM-248	SAG Bidaj	22-09-2004	39	-90.19	67.29
142	SAG-BM-251	SAG Bidaj	12-09-2004	84	-92.14	75.15
143	SAG-BM-255	SAG Bidaj	17-10-2004	59	-97.83	66.94
144	SAG-BM-116	SAG Bidaj	14-09-1995	52	-114.2	66.94
145	SAG-MR-10457	SAG Bidaj	02-12-2013	82	-124.71	67.26

### **Genomic Breeding Values for Murrah bulls – Based on data from SAG PT Project**

**Trait: Days Open (DO)**

**Species : Buffalo**

**Breed: Murrah**

**Date of estimation: 02 March 2026**

S. No.	Bull ID	Semen station (source)	Date of Birth	No. of daughters used for analysis	Days Open (days)	REL (%)
1	ROH-RM-004	ROHTAK SEMEN STATION, ROHTAK	09-09-2010	25	12.17	21.05
2	SAG-MR-10426	SAG Bidaj	08-07-2012	35	8.21	37.05
3	SAG-BM-363	SAG Bidaj	14-11-2010	21	7.57	16.97
4	SAG-BM-329	SAG Bidaj	29-12-2008	27	7.11	53.02
5	SAG-BM-368	SAG Bidaj	20-10-2010	24	6.93	42.1
6	SAG-BM-243	SAG Bidaj	02-08-2003	21	6.83	29
7	SAG-BM-369	SAG Bidaj	20-09-2010	21	6.78	26.99
8	SAG-MR-10510	SAG Bidaj	01-05-2015	25	6.72	24.74
9	SAG-BM-255	SAG Bidaj	17-10-2004	25	6.61	36.55
10	SAG-BM-308	SAG Bidaj	11-08-2007	30	6.52	50.95
11	SAG-MR-10457	SAG Bidaj	02-12-2013	33	6.37	38.8
12	SAG-MR-10439	SAG Bidaj	31-01-2014	20	6.22	22.24
13	SAG-BM-390	SAG Bidaj	05-08-2011	23	6.03	19.94
14	ROH-RM-019	ROHTAK SEMEN	24-09-2010	23	5.94	21.78

S. No.	Bull ID	Semen station (source)	Date of Birth	No. of daughters used for analysis	Days Open (days)	REL (%)
		STATION, ROHTAK				
15	SAG-BM-401	SAG Bidaj	20-08-2011	22	5.9	18.76
16	SAG-BM-346	SAG Bidaj	09-11-2008	24	5.7	39.55
17	SAG-MR-10475	SAG Bidaj	30-09-2014	31	5.66	35.54
18	SAG-BM-372	SAG Bidaj	03-11-2010	29	5.15	25.27
19	SAG-BM-294	SAG Bidaj	25-10-2005	30	5.04	40.45
20	SAG-BM-408	SAG Bidaj	05-01-2011	44	5.04	30.3
21	SAG-MR-10420	SAG Bidaj	22-08-2012	24	4.86	19.78
22	SAG-BM-391	SAG Bidaj	08-08-2011	27	4.79	22.06
23	SAG-MR-10514	SAG Bidaj	22-08-2015	21	4.58	20.05
24	SAG-BM-349	SAG Bidaj	07-08-2009	33	4.5	45.64
25	SAG-BM-356	SAG Bidaj	18-08-2010	22	4.4	25.48
26	SAG-BM-322	SAG Bidaj	01-03-2007	20	4.39	50.04
27	SAG-MR-10449	SAG Bidaj	09-10-2013	27	4.37	38.57
28	SAG-BM-225	SAG Bidaj	28-01-2001	22	4.29	38.77
29	SAG-BM-303	SAG Bidaj	15-01-2007	28	4.07	46.07
30	SAG-BM-310	SAG Bidaj	15-09-2007	26	4.04	46.94
31	SAG-BM-236	SAG Bidaj	08-08-2003	38	4.03	48.88
32	SAG-BM-319	SAG Bidaj	16-09-2007	31	4.01	61.31
33	SAG-BM-270	SAG Bidaj	01-09-2004	27	3.87	55.56
34	SAG-BM-245	SAG Bidaj	31-10-2002	25	3.85	52.7
35	SAG-BM-299	SAG Bidaj	02-01-2006	21	3.82	39.93
36	SAG-BM-312	SAG Bidaj	10-09-2007	23	3.65	42.65
37	ROH-RM-005	ROHTAK SEMEN STATION, ROHTAK	29-09-2010	34	3.62	46.21
38	SAG-BM-266	SAG Bidaj	17-09-2004	38	3.61	48.81
39	SAG-BM-316	SAG Bidaj	02-01-2007	22	3.6	31.66
40	SAG-MR-10450	SAG Bidaj	05-12-2013	27	3.22	21.49
41	ABC-SM-740	ABC Salon	17-08-2013	28	3.18	28.18
42	SAG-BM-315	SAG Bidaj	21-12-2007	22	3.01	42.96
43	SAG-BM-297	SAG Bidaj	13-04-2006	40	2.98	53.79
44	ROH-RM-010	ROHTAK SEMEN STATION, ROHTAK	16-10-2010	51	2.84	52.35
45	SAG-MR-10415	SAG Bidaj	18-09-2012	42	2.73	28.83
46	SAG-BM-318	SAG Bidaj	05-01-2008	30	2.65	57.78
47	SAG-BM-378	SAG Bidaj	21-10-2011	33	2.58	37.45
48	SAG-BM-241	SAG Bidaj	28-10-2002	23	2.47	44.04
49	SAG-MR-10459	SAG Bidaj	25-06-2014	36	1.99	42.62
50	ROH-RM-013	ROHTAK SEMEN STATION, ROHTAK	20-08-2010	29	1.98	48.78
51	SAG-MR-10441	SAG Bidaj	05-09-2012	20	1.69	30.02
52	SAG-MR-10434	SAG Bidaj	12-11-2011	27	1.57	33.87
53	SAG-MR-10424	SAG Bidaj	03-09-2012	33	1.54	34.23
54	SAG-BM-274	SAG Bidaj	28-03-2005	33	1.51	57.26
55	SAG-BM-242	SAG Bidaj	18-08-2003	21	1.45	32.41

S. No.	Bull ID	Semen station (source)	Date of Birth	No. of daughters used for analysis	Days Open (days)	REL (%)
56	SAG-MR-10493	SAG Bidaj	26-07-2015	25	1.36	19.4
57	SAG-BM-221	SAG Bidaj	09-09-2002	29	1.25	40.58
58	SAG-MR-10423	SAG Bidaj	07-03-2011	29	1.17	29.13
59	SAG-MR-10466	SAG Bidaj	23-08-2014	48	1.16	48.57
60	SAG-MR-10523	SAG Bidaj	10-12-2014	30	1.06	30.58
61	SAG-BM-304	SAG Bidaj	28-03-2007	33	0.93	60.31
62	SAG-BM-379	SAG Bidaj	13-11-2010	24	0.93	27.1
63	ROH-RM-030	ROHTAK SEMEN STATION, ROHTAK	02-12-2010	37	0.88	28.64
64	SAG-BM-295	SAG Bidaj	17-10-2005	34	0.86	49.7
65	SAG-MR-10476	SAG Bidaj	07-09-2014	36	0.77	41.32
66	SAG-MR-10432	SAG Bidaj	25-06-2013	38	0.54	35.6
67	SAG-BM-335	SAG Bidaj	03-10-2008	26	0.48	34.35
68	SAG-MR-10464	SAG Bidaj	12-09-2014	33	0.43	36.26
69	SAG-BM-293	SAG Bidaj	18-11-2005	36	0.38	66.13
70	SAG-BM-248	SAG Bidaj	22-09-2004	28	0.37	35.45
71	SAG-BM-362	SAG Bidaj	26-08-2010	21	0.3	31.95
72	SAG-BM-397	SAG Bidaj	20-01-2011	30	0.11	28.02
73	SAG-BM-224	SAG Bidaj	01-04-2001	20	-0.02	28.93
74	SAG-MR-10435	SAG Bidaj	13-07-2013	31	-0.03	27.95
75	SAG-BM-385	SAG Bidaj	08-06-2011	28	-0.1	22.7
76	SAG-BM-395	SAG Bidaj	20-05-2011	39	-0.12	33.76
77	SAG-BM-399	SAG Bidaj	08-08-2011	24	-0.18	23.96
78	SAG-BM-347	SAG Bidaj	09-10-2009	27	-0.22	54.03
79	SAG-MR-10428	SAG Bidaj	25-11-2011	29	-0.31	35.26
80	SAG-BM-357	SAG Bidaj	17-09-2009	37	-0.33	46.87
81	SAG-BM-296	SAG Bidaj	17-11-2004	21	-0.48	41.47
82	SAG-BM-251	SAG Bidaj	12-09-2004	31	-0.5	54.17
83	ROH-RM-007	ROHTAK SEMEN STATION, ROHTAK	14-08-2010	22	-0.59	33.55
84	SAG-BM-381	SAG Bidaj	14-10-2010	25	-0.66	20.02
85	SAG-MR-10481	SAG Bidaj	01-11-2014	23	-0.68	32.29
86	SAG-MR-10411	SAG Bidaj	08-07-2011	40	-0.73	27.72
87	SAG-BM-275	SAG Bidaj	05-01-2006	22	-0.9	49.04
88	SAG-BM-252	SAG Bidaj	24-11-2004	29	-0.95	42.33
89	SAG-BM-277	SAG Bidaj	15-01-2005	25	-0.98	53.89
90	SAG-BM-271	SAG Bidaj	29-08-2004	33	-1.12	39.63
91	SAG-BM-376	SAG Bidaj	08-10-2010	22	-1.18	18.75
92	SAG-MR-10444	SAG Bidaj	23-10-2011	30	-1.37	26.53
93	SAG-BM-333	SAG Bidaj	03-06-2008	37	-1.4	45.48
94	SAG-BM-289	SAG Bidaj	01-11-2005	30	-1.45	51.08
95	SAG-MR-10425	SAG Bidaj	09-03-2012	27	-1.48	29.74
96	ROH-RM-012	ROHTAK SEMEN STATION, ROHTAK	16-12-2010	43	-1.74	33.1

S. No.	Bull ID	Semen station (source)	Date of Birth	No. of daughters used for analysis	Days Open (days)	REL (%)
97	SAG-BM-273	SAG Bidaj	25-08-2004	31	-1.75	60.81
98	ROH-RM-003	ROHTAK SEMEN STATION, ROHTAK	08-08-2010	33	-1.79	43.83
99	SAG-MR-10517	SAG Bidaj	10-08-2014	22	-1.8	26.22
100	ROH-RM-001	ROHTAK SEMEN STATION, ROHTAK	31-05-2010	32	-1.84	46.21
101	SAG-BM-396	SAG Bidaj	25-07-2011	24	-2.06	20.25
102	SAG-BM-342	SAG Bidaj	09-11-2009	22	-2.07	40.98
103	ROH-RM-018	ROHTAK SEMEN STATION, ROHTAK	27-01-2011	22	-2.1	36.17
104	SAG-MR-10442	SAG Bidaj	21-01-2012	24	-2.17	26.7
105	SAG-BM-287	SAG Bidaj	18-01-2006	27	-2.18	39.78
106	SAG-BM-374	SAG Bidaj	20-05-2011	24	-2.24	19.53
107	SAG-BM-272	SAG Bidaj	02-10-2004	26	-2.3	41.5
108	ROH-RM-024	ROHTAK SEMEN STATION, ROHTAK	10-09-2010	25	-2.56	20.15
109	SAG-BM-392	SAG Bidaj	01-08-2011	20	-2.58	17.3
110	SAG-BM-260	SAG Bidaj	01-12-2004	32	-2.79	39.73
111	SAG-MR-10513	SAG Bidaj	20-05-2015	25	-2.82	28.38
112	SAG-BM-264	SAG Bidaj	10-05-2005	25	-3.03	42.21
113	SAG-BM-292	SAG Bidaj	08-09-2005	35	-3.04	54.98
114	SAG-BM-317	SAG Bidaj	29-09-2007	22	-3.2	51.97
115	SAG-BM-386	SAG Bidaj	09-01-2011	27	-3.21	21.6
116	SAG-BM-305	SAG Bidaj	01-09-2006	27	-3.24	46.43
117	SAG-BM-332	SAG Bidaj	12-01-2008	23	-3.33	46.81
118	SAG-MR-10518	SAG Bidaj	22-07-2014	31	-3.62	29.54
119	SAG-BM-298	SAG Bidaj	04-03-2006	38	-3.63	57.82
120	SAG-MR-10509	SAG Bidaj	14-12-2014	26	-3.64	27.12
121	SAG-MR-10470	SAG Bidaj	15-10-2014	36	-3.65	31.16
122	SAG-MR-10438	SAG Bidaj	04-01-2014	44	-4	39.68
123	SAG-BM-307	SAG Bidaj	25-12-2007	31	-4.08	52.33
124	SAG-MR-10427	SAG Bidaj	08-01-2012	24	-4.36	36.16
125	SAG-MR-10431	SAG Bidaj	08-08-2012	27	-4.42	20.61
126	SAG-MR-10460	SAG Bidaj	15-10-2014	24	-4.7	21.41
127	ROH-RM-026	ROHTAK SEMEN STATION, ROHTAK	02-07-2010	21	-4.86	25.49
128	SAG-MR-10418	SAG Bidaj	19-12-2012	25	-4.86	19.55
129	SAG-MR-10410	SAG Bidaj	25-10-2011	34	-4.92	33.88
130	SAG-MR-10437	SAG Bidaj	01-08-2014	25	-4.92	20.52
131	SAG-BM-354	SAG Bidaj	04-07-2010	22	-4.96	26.74

S. No.	Bull ID	Semen station (source)	Date of Birth	No. of daughters used for analysis	Days Open (days)	REL (%)
132	SAG-BM-343	SAG Bidaj	26-01-2009	37	-5.12	33.68
133	SAG-BM-359	SAG Bidaj	18-11-2010	34	-5.13	37.81
134	SAG-BM-370	SAG Bidaj	06-12-2010	34	-5.13	31.87
135	SAG-BM-371	SAG Bidaj	08-10-2010	35	-5.16	25.84
136	SAG-MR-10421	SAG Bidaj	28-09-2012	21	-5.27	16.68
137	SAG-BM-403	SAG Bidaj	10-01-2011	23	-5.47	19.24
138	SAG-MR-10429	SAG Bidaj	20-08-2012	33	-5.51	35.47
139	SAG-MR-10430	SAG Bidaj	18-07-2012	39	-5.74	40.35
140	SAG-BM-268	SAG Bidaj	09-10-2004	21	-6	51.06
141	SAG-BM-398	SAG Bidaj	15-11-2011	37	-6	27.78
142	SAG-MR-10487	SAG Bidaj	27-01-2015	25	-6.1	26.85
143	SAG-MR-10467	SAG Bidaj	08-08-2014	33	-6.47	35.28
144	SAG-BM-353	SAG Bidaj	01-10-2010	25	-6.58	33.52
145	SAG-MR-10440	SAG Bidaj	15-09-2013	29	-6.83	34.61
146	SAG-BM-367	SAG Bidaj	06-10-2010	27	-7.34	22.44
147	SAG-MR-10469	SAG Bidaj	03-08-2014	22	-7.73	25.36
148	ROH-RM-009	ROHTAK SEMEN STATION, ROHTAK	08-11-2010	24	-7.77	19.84
149	SAG-BM-358	SAG Bidaj	28-08-2010	38	-8.16	46.79
150	SAG-BM-394	SAG Bidaj	05-03-2011	40	-8.58	33.09
151	SAG-MR-10477	SAG Bidaj	08-11-2014	22	-8.65	19.42
152	SAG-BM-339	SAG Bidaj	14-02-2009	39	-8.77	48.2
153	SAG-BM-400	SAG Bidaj	15-07-2011	26	-10.16	31.72
154	SAG-BM-393	SAG Bidaj	04-09-2011	25	-10.45	20.61
155	SAG-MR-10416	SAG Bidaj	23-12-2011	40	-10.47	34.3
156	SAG-BM-263	SAG Bidaj	17-01-2006	34	-11.13	39.93
157	ROH-RM-015	ROHTAK SEMEN STATION, ROHTAK	07-01-2011	28	-11.35	22.22
158	SAG-BM-116	SAG Bidaj	14-09-1995	31	-11.97	42.08
159	SAG-MR-10453	SAG Bidaj	23-07-2013	20	-13.79	23.95