

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

**Trait: 305 Day Milk Yield**

**Species: Buffalo**

**Breed: Murrah**

**Date of estimation: 29 December 2023**

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 (%)	Genotype status (Y/N)
1	SAG-BM-297	SABARMATI ASHRAM GAUSHALA, BIDAJ	13-04-2006	123	1234	229.43	93.14	Y
2	SAG-BM-277	SABARMATI ASHRAM GAUSHALA, BIDAJ	15-01-2005	91	883	-53.13	92.77	N
3	ROH-RM-010	ROHTAK SEMEN STATION, ROHTAK	16-10-2010	102	996	10.14	92.67	N
4	SAG-BM-274	SABARMATI ASHRAM GAUSHALA, BIDAJ	28-03-2005	113	1121	43.71	92.63	Y
5	SAG-BM-339	SABARMATI ASHRAM GAUSHALA, BIDAJ	14-02-2009	102	957	-70.62	92.60	N
6	SAG-BM-304	SABARMATI ASHRAM GAUSHALA, BIDAJ	28-03-2007	113	1081	-115.43	92.51	Y
7	SAG-BM-378	SABARMATI ASHRAM GAUSHALA, BIDAJ	21-10-2011	110	1079	22.65	92.51	Y
8	SAG-BM-273	SABARMATI ASHRAM GAUSHALA, BIDAJ	25-08-2004	103	1049	59.80	92.37	Y
9	SAG-BM-221	SABARMATI ASHRAM GAUSHALA, BIDAJ	09-09-2002	96	963	-81.88	92.37	N
10	SAG-BM-370	SABARMATI ASHRAM GAUSHALA, BIDAJ	06-12-2010	101	955	-166.81	92.10	N
11	SAG-BM-349	SABARMATI ASHRAM GAUSHALA, BIDAJ	07-08-2009	103	969	72.51	92.08	Y

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12	SAG-BM-266	SABARMATI ASHRAM GAUSHALA, BIDAJ	17-09-2004	106	1029	-29.56	92.07	Y
13	SAG-BM-390	SABARMATI ASHRAM GAUSHALA, BIDAJ	05-08-2011	73	668	75.16	92.05	Y
14	SAG-BM-294	SABARMATI ASHRAM GAUSHALA, BIDAJ	25-10-2005	104	1052	-95.08	91.98	Y
15	SAG-BM-392	SABARMATI ASHRAM GAUSHALA, BIDAJ	01-08-2011	69	678	214.57	91.91	Y
16	SAG-BM-358	SABARMATI ASHRAM GAUSHALA, BIDAJ	28-08-2010	104	1026	-116.01	91.89	Y
17	SAG-BM-347	SABARMATI ASHRAM GAUSHALA, BIDAJ	09-10-2009	91	879	117.89	91.89	Y
18	SAG-BM-305	SABARMATI ASHRAM GAUSHALA, BIDAJ	01-09-2006	102	1007	14.04	91.85	Y
19	SAG-BM-236	SABARMATI ASHRAM GAUSHALA, BIDAJ	08-08-2003	91	857	217.95	91.81	N
20	SAG-BM-303	SABARMATI ASHRAM GAUSHALA, BIDAJ	15-01-2007	95	956	132.60	91.72	Y
21	SAG-BM-248	SABARMATI ASHRAM GAUSHALA, BIDAJ	22-09-2004	100	994	300.22	91.71	Y
22	SAG-BM-251	SABARMATI ASHRAM GAUSHALA, BIDAJ	12-09-2004	96	955	119.02	91.63	Y
23	SAG-BM-307	SABARMATI ASHRAM GAUSHALA, BIDAJ	25-12-2007	95	969	266.96	91.57	Y
24	SAG-BM-333	SABARMATI ASHRAM GAUSHALA, BIDAJ	03-06-2008	95	934	190.38	91.55	Y

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25	SAG-BM-263	SABARMATI ASHRAM GAUSHALA, BIDAJ	17-01-2006	96	932	- 204.59	91.54	Y
26	ROH-RM-013	ROHTAK SEMEN STATION, ROHTAK	20-08-2010	77	732	117.15	91.51	N
27	SAG-BM-292	SABARMATI ASHRAM GAUSHALA, BIDAJ	08-09-2005	95	936	79.64	91.41	Y
28	SAG-BM-395	SABARMATI ASHRAM GAUSHALA, BIDAJ	20-05-2011	92	867	- 112.14	91.35	Y
29	SAG-BM-394	SABARMATI ASHRAM GAUSHALA, BIDAJ	05-03-2011	94	893	-33.54	91.31	Y
30	SAG-BM-357	SABARMATI ASHRAM GAUSHALA, BIDAJ	17-09-2009	88	842	- 103.42	91.29	Y
31	SAG-BM-293	SABARMATI ASHRAM GAUSHALA, BIDAJ	18-11-2005	91	898	125.84	91.28	Y
32	SAG-BM-295	SABARMATI ASHRAM GAUSHALA, BIDAJ	17-10-2005	94	904	-32.70	91.27	Y
33	SAG-BM-359	SABARMATI ASHRAM GAUSHALA, BIDAJ	18-11-2010	91	844	- 110.88	91.18	Y
34	SAG-BM-379	SABARMATI ASHRAM GAUSHALA, BIDAJ	13-11-2010	89	825	- 147.44	91.10	Y
35	SAG-BM-275	SABARMATI ASHRAM GAUSHALA, BIDAJ	05-01-2006	93	906	-78.84	91.06	Y
36	SAG-BM-342	SABARMATI ASHRAM GAUSHALA, BIDAJ	09-11-2009	87	837	105.56	91.04	Y
37	SAG-BM-317	SABARMATI ASHRAM GAUSHALA, BIDAJ	29-09-2007	74	719	76.99	91.02	N

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38	ROH-RM-001	ROHTAK SEMEN STATION, ROHTAK	31-05-2010	90	865	106.69	91.01	N
39	SAG-BM-372	SABARMATI ASHRAM GAUSHALA, BIDAJ	03-11-2010	91	880	44.74	91.01	Y
40	SAG-BM-335	SABARMATI ASHRAM GAUSHALA, BIDAJ	03-10-2008	88	845	-7.24	91.00	Y
41	SAG-BM-271	SABARMATI ASHRAM GAUSHALA, BIDAJ	29-08-2004	88	897	194.54	90.95	Y
42	SAG-BM-225	SABARMATI ASHRAM GAUSHALA, BIDAJ	28-01-2001	87	860	95.63	90.95	Y
43	SAG-BM-289	SABARMATI ASHRAM GAUSHALA, BIDAJ	01-11-2005	87	849	-82.21	90.95	Y
44	SAG-BM-398	SABARMATI ASHRAM GAUSHALA, BIDAJ	15-11-2011	90	828	94.34	90.87	Y
45	SAG-BM-260	SABARMATI ASHRAM GAUSHALA, BIDAJ	01-12-2004	87	862	314.91	90.85	Y
46	SAG-BM-408	SABARMATI ASHRAM GAUSHALA, BIDAJ	05-01-2011	93	871	-6.95	90.72	N
47	SAG-BM-354	SABARMATI ASHRAM GAUSHALA, BIDAJ	04-07-2010	78	759	-8.14	90.71	N
48	SAG-BM-343	SABARMATI ASHRAM GAUSHALA, BIDAJ	26-01-2009	89	857	-114.02	90.57	Y
49	ROH-RM-019	ROHTAK SEMEN STATION, ROHTAK	24-09-2010	84	814	61.77	90.54	N
50	SAG-BM-362	SABARMATI ASHRAM GAUSHALA, BIDAJ	26-08-2010	80	768	102.46	90.52	Y
51	ROH-RM-020	ROHTAK SEMEN STATION, ROHTAK	15-11-2010	79	769	-51.57	90.51	N

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52	ROH-RM-009	ROHTAK SEMEN STATION, ROHTAK	08-11-2010	85	799	-89.75	90.48	N
53	SAG-BM-368	SABARMATI ASHRAM GAUSHALA, BIDAJ	20-10-2010	82	783	8.93	90.46	Y
54	SAG-BM-298	SABARMATI ASHRAM GAUSHALA, BIDAJ	04-03-2006	79	790	-49.97	90.32	Y
55	ROH-RM-012	ROHTAK SEMEN STATION, ROHTAK	16-12-2010	79	743	-137.42	90.30	N
56	SAG-BM-223	SABARMATI ASHRAM GAUSHALA, BIDAJ	20-07-2001	75	725	-7.58	90.20	Y
57	SAG-MR-10411	SABARMATI ASHRAM GAUSHALA, BIDAJ	08-07-2011	80	759	-45.07	90.18	N
58	SAG-BM-346	SABARMATI ASHRAM GAUSHALA, BIDAJ	09-11-2008	80	749	-121.70	90.17	Y
59	SAG-BM-242	SABARMATI ASHRAM GAUSHALA, BIDAJ	18-08-2003	78	782	165.96	90.16	Y
60	SAG-BM-377	SABARMATI ASHRAM GAUSHALA, BIDAJ	21-10-2011	76	732	55.13	90.14	N
61	SAG-BM-308	SABARMATI ASHRAM GAUSHALA, BIDAJ	11-08-2007	79	743	-44.75	90.13	Y
62	SAG-BM-353	SABARMATI ASHRAM GAUSHALA, BIDAJ	01-10-2010	81	765	-29.82	90.11	Y
63	SAG-BM-252	SABARMATI ASHRAM GAUSHALA, BIDAJ	24-11-2004	76	725	65.47	90.11	Y
64	SAG-BM-270	SABARMATI ASHRAM GAUSHALA, BIDAJ	01-09-2004	79	781	-57.48	89.99	Y
65	SAG-MR-10416	SABARMATI ASHRAM	23-12-2011	79	746	-69.36	89.93	N

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		GAUSHALA, BIDAJ						
66	ROH-RM-005	ROHTAK SEMEN STATION, ROHTAK	29-09-2010	78	765	123.16	89.89	N
67	ROH-RM-030	ROHTAK SEMEN STATION, ROHTAK	02-12-2010	78	725	35.52	89.83	N
68	SAG-BM-268	SABARMATI ASHRAM GAUSHALA, BIDAJ	09-10-2004	76	744	38.43	89.81	Y
69	SAG-BM-332	SABARMATI ASHRAM GAUSHALA, BIDAJ	12-01-2008	79	758	- 246.92	89.80	Y
70	ROH-RM-007	ROHTAK SEMEN STATION, ROHTAK	14-08-2010	76	756	161.46	89.79	N
71	ROH-RM-003	ROHTAK SEMEN STATION, ROHTAK	08-08-2010	78	756	-7.55	89.78	N
72	SAG-BM-386	SABARMATI ASHRAM GAUSHALA, BIDAJ	09-01-2011	76	723	- 183.57	89.60	N
73	SAG-BM-241	SABARMATI ASHRAM GAUSHALA, BIDAJ	28-10-2002	74	730	383.50	89.58	Y
74	SAG-BM-367	SABARMATI ASHRAM GAUSHALA, BIDAJ	06-10-2010	76	711	- 260.58	89.57	N
75	SAG-BM-374	SABARMATI ASHRAM GAUSHALA, BIDAJ	20-05-2011	71	647	-19.87	89.55	Y
76	SAG-BM-299	SABARMATI ASHRAM GAUSHALA, BIDAJ	02-01-2006	67	654	-84.46	89.53	Y
77	ROH-RM-018	ROHTAK SEMEN STATION, ROHTAK	27-01-2011	65	602	- 206.40	89.50	N
78	SAG-BM-311	SABARMATI ASHRAM GAUSHALA, BIDAJ	30-07-2006	72	689	38.32	89.50	Y
79	SAG-MR-10415	SABARMATI ASHRAM GAUSHALA, BIDAJ	18-09-2012	75	688	37.47	89.48	N

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80	SAG-BM-385	SABARMATI ASHRAM GAUSHALA, BIDAJ	08-06-2011	75	728	-97.13	89.42	Y
81	SAG-BM-369	SABARMATI ASHRAM GAUSHALA, BIDAJ	20-09-2010	73	703	100.04	89.39	Y
82	SAG-BM-318	SABARMATI ASHRAM GAUSHALA, BIDAJ	05-01-2008	77	755	-115.13	89.37	Y
83	SAG-BM-262	SABARMATI ASHRAM GAUSHALA, BIDAJ	10-09-2005	72	720	48.84	89.35	Y
84	SAG-BM-371	SABARMATI ASHRAM GAUSHALA, BIDAJ	08-10-2010	76	687	-353.71	89.35	Y
85	ROH-RM-024	ROHTAK SEMEN STATION, ROHTAK	10-09-2010	72	696	27.02	89.28	N
86	SAG-BM-381	SABARMATI ASHRAM GAUSHALA, BIDAJ	14-10-2010	73	684	294.96	89.27	Y
87	SAG-BM-397	SABARMATI ASHRAM GAUSHALA, BIDAJ	20-01-2011	70	670	0.76	89.27	Y
88	SAG-BM-393	SABARMATI ASHRAM GAUSHALA, BIDAJ	04-09-2011	73	694	-218.25	89.26	Y
89	SAG-BM-272	SABARMATI ASHRAM GAUSHALA, BIDAJ	02-10-2004	69	672	200.26	89.26	Y
90	SAG-BM-310	SABARMATI ASHRAM GAUSHALA, BIDAJ	15-09-2007	67	629	23.47	89.19	Y
91	SAG-BM-267	SABARMATI ASHRAM GAUSHALA, BIDAJ	12-09-2004	69	677	-279.53	89.18	N
92	SAG-BM-315	SABARMATI ASHRAM GAUSHALA, BIDAJ	21-12-2007	68	645	-124.47	89.15	Y
93	SAG-BM-287	SABARMATI ASHRAM	18-01-2006	69	659	-133.77	89.05	Y

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		GAUSHALA, BIDAJ						
94	SAG-BM-319	SABARMATI ASHRAM GAUSHALA, BIDAJ	16-09-2007	66	629	46.78	88.99	Y
95	SAG-BM-373	SABARMATI ASHRAM GAUSHALA, BIDAJ	06-07-2010	69	676	48.97	88.98	Y
96	SAG-MR-10435	SABARMATI ASHRAM GAUSHALA, BIDAJ	13-07-2013	65	629	191.24	88.96	Y
97	SAG-BM-264	SABARMATI ASHRAM GAUSHALA, BIDAJ	10-05-2005	70	672	61.08	88.95	Y
98	SAG-BM-226	SABARMATI ASHRAM GAUSHALA, BIDAJ	17-12-2001	64	601	53.49	88.95	Y
99	SAG-BM-255	SABARMATI ASHRAM GAUSHALA, BIDAJ	17-10-2004	67	652	-36.70	88.94	Y
100	SAG-BM-246	SABARMATI ASHRAM GAUSHALA, BIDAJ	01-09-2003	63	627	266.07	88.86	Y
101	ROH-RM-006	ROHTAK SEMEN STATION, ROHTAK	25-08-2010	64	588	-151.30	88.86	N
102	SAG-BM-376	SABARMATI ASHRAM GAUSHALA, BIDAJ	08-10-2010	68	663	291.81	88.85	N
103	SAG-BM-329	SABARMATI ASHRAM GAUSHALA, BIDAJ	29-12-2008	68	678	-107.27	88.82	Y
104	SAG-BM-363	SABARMATI ASHRAM GAUSHALA, BIDAJ	14-11-2010	69	649	-44.70	88.70	Y
105	SAG-BM-400	SABARMATI ASHRAM GAUSHALA, BIDAJ	15-07-2011	64	602	-304.28	88.68	N
106	SAG-MR-10423	SABARMATI ASHRAM GAUSHALA, BIDAJ	07-03-2011	67	637	11.35	88.63	N



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107	SAG-BM-380	SABARMATI ASHRAM GAUSHALA, BIDAJ	10-12-2010	68	620	34.50	88.55	Y
108	SAG-BM-375	SABARMATI ASHRAM GAUSHALA, BIDAJ	30-08-2010	67	597	-64.00	88.54	Y
109	SAG-BM-331	SABARMATI ASHRAM GAUSHALA, BIDAJ	21-01-2009	65	634	123.23	88.54	Y
110	SAG-BM-247	SABARMATI ASHRAM GAUSHALA, BIDAJ	18-05-2004	65	616	15.07	88.46	Y
111	ROH-RM-015	ROHTAK SEMEN STATION, ROHTAK	07-01-2011	67	596	-310.06	88.42	Y
112	ROH-RM-004	ROHTAK SEMEN STATION, ROHTAK	09-09-2010	63	601	317.43	88.35	N
113	SAG-MR-10426	SABARMATI ASHRAM GAUSHALA, BIDAJ	08-07-2012	66	636	321.67	88.28	Y
114	SAG-MR-10430	SABARMATI ASHRAM GAUSHALA, BIDAJ	18-07-2012	64	599	-35.08	88.18	N
115	ROH-RM-016	ROHTAK SEMEN STATION, ROHTAK	20-09-2010	62	607	264.61	88.14	N
116	SAG-MR-10428	SABARMATI ASHRAM GAUSHALA, BIDAJ	25-11-2011	59	554	25.05	88.12	Y
117	SAG-MR-10410	SABARMATI ASHRAM GAUSHALA, BIDAJ	25-10-2011	63	611	-19.46	88.03	N
118	SAG-MR-10424	SABARMATI ASHRAM GAUSHALA, BIDAJ	03-09-2012	58	543	36.51	87.99	Y
119	SAG-MR-10457	SABARMATI ASHRAM GAUSHALA, BIDAJ	02-12-2013	64	565	-116.27	87.97	N
120	SAG-BM-396	SABARMATI ASHRAM GAUSHALA, BIDAJ	25-07-2011	62	589	126.51	87.96	Y

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121	SAG-BM-352	SABARMATI ASHRAM GAUSHALA, BIDAJ	15-08-2010	57	521	-72.66	87.86	Y
122	SAG-BM-406	SABARMATI ASHRAM GAUSHALA, BIDAJ	31-07-2012	59	541	-61.32	87.77	Y
123	ROH-RM-032	ROHTAK SEMEN STATION, ROHTAK	01-11-2012	62	587	-38.58	87.76	N
124	SAG-BM-245	SABARMATI ASHRAM GAUSHALA, BIDAJ	31-10-2002	57	557	117.75	87.76	Y
125	SAG-BM-296	SABARMATI ASHRAM GAUSHALA, BIDAJ	17-11-2004	63	604	-152.57	87.69	Y
126	SAG-BM-316	SABARMATI ASHRAM GAUSHALA, BIDAJ	02-01-2007	61	596	0.33	87.67	Y
127	SAG-MR-10417	SABARMATI ASHRAM GAUSHALA, BIDAJ	19-10-2012	58	539	-84.79	87.67	Y
128	ROH-RM-026	ROHTAK SEMEN STATION, ROHTAK	02-07-2010	61	557	-41.22	87.66	N
129	SAG-BM-243	SABARMATI ASHRAM GAUSHALA, BIDAJ	02-08-2003	59	565	177.31	87.62	Y
130	SAG-BM-388	SABARMATI ASHRAM GAUSHALA, BIDAJ	09-01-2011	61	594	262.30	87.50	Y
131	SAG-BM-312	SABARMATI ASHRAM GAUSHALA, BIDAJ	10-09-2007	57	548	-127.70	87.45	Y
132	SAG-MR-10425	SABARMATI ASHRAM GAUSHALA, BIDAJ	09-03-2012	59	541	202.33	87.38	Y
133	SAG-MR-10438	SABARMATI ASHRAM GAUSHALA, BIDAJ	04-01-2014	60	553	5.46	87.33	Y
134	SAG-BM-401	SABARMATI ASHRAM	20-08-2011	57	567	71.14	87.27	N

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		GAUSHALA, BIDAJ						
135	SAG-BM-322	SABARMATI ASHRAM GAUSHALA, BIDAJ	01-03-2007	55	533	-75.89	87.21	Y
136	SAG-BM-224	SABARMATI ASHRAM GAUSHALA, BIDAJ	01-04-2001	57	554	-27.21	87.18	Y
137	SAG-MR-10432	SABARMATI ASHRAM GAUSHALA, BIDAJ	25-06-2013	54	513	-100.29	87.15	Y
138	SAG-BM-258	SABARMATI ASHRAM GAUSHALA, BIDAJ	08-10-2003	52	494	-45.02	87.11	N
139	SAG-BM-356	SABARMATI ASHRAM GAUSHALA, BIDAJ	18-08-2010	56	544	-20.84	87.06	Y
140	SAG-MR-10431	SABARMATI ASHRAM GAUSHALA, BIDAJ	08-08-2012	60	576	143.40	87.03	N
141	SAG-BM-391	SABARMATI ASHRAM GAUSHALA, BIDAJ	08-08-2011	56	537	-23.47	87.03	Y
142	SAG-BM-281	SABARMATI ASHRAM GAUSHALA, BIDAJ	11-07-2005	57	569	-89.93	87.03	Y
143	SAG-MR-10420	SABARMATI ASHRAM GAUSHALA, BIDAJ	22-08-2012	56	525	168.94	86.90	N
144	SAG-BM-290	SABARMATI ASHRAM GAUSHALA, BIDAJ	29-08-2004	53	537	-5.62	86.89	Y
145	ROH-RM-027	ROHTAK SEMEN STATION, ROHTAK	04-09-2010	53	507	-129.63	86.82	N
146	ROH-RM-017	ROHTAK SEMEN STATION, ROHTAK	14-10-2010	54	510	-137.20	86.77	Y
147	SAG-BM-231	SABARMATI ASHRAM GAUSHALA, BIDAJ	22-11-2002	51	497	80.73	86.63	Y

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148	ROH-RM-031	ROHTAK SEMEN STATION, ROHTAK	10-10-2012	53	499	-94.70	86.53	N
149	SAG-BM-399	SABARMATI ASHRAM GAUSHALA, BIDAJ	08-08-2011	50	447	-96.27	86.38	Y
150	SAG-MR-10470	SABARMATI ASHRAM GAUSHALA, BIDAJ	15-10-2014	49	451	74.40	86.20	Y
151	SAG-MR-10434	SABARMATI ASHRAM GAUSHALA, BIDAJ	12-11-2011	51	497	157.26	86.15	N
152	SAG-BM-288	SABARMATI ASHRAM GAUSHALA, BIDAJ	09-10-2005	50	498	22.71	86.08	Y
153	SAG-BM-326	SABARMATI ASHRAM GAUSHALA, BIDAJ	25-12-2008	49	490	-130.80	86.00	Y
154	ROH-RM-008	ROHTAK SEMEN STATION, ROHTAK	02-10-2010	41	389	-184.83	85.92	N
155	SAG-MR-10466	SABARMATI ASHRAM GAUSHALA, BIDAJ	23-08-2014	52	472	9.11	85.88	Y
156	SAG-BM-402	SABARMATI ASHRAM GAUSHALA, BIDAJ	06-09-2011	47	443	70.24	85.82	N
157	SAG-MR-10421	SABARMATI ASHRAM GAUSHALA, BIDAJ	28-09-2012	52	468	-42.15	85.82	Y
158	SAG-BM-278	SABARMATI ASHRAM GAUSHALA, BIDAJ	15-08-2005	48	485	-101.38	85.74	Y
159	SAG-MR-10418	SABARMATI ASHRAM GAUSHALA, BIDAJ	19-12-2012	49	456	173.41	85.71	N
160	SAG-BM-409	SABARMATI ASHRAM GAUSHALA, BIDAJ	20-12-2011	47	443	88.57	85.13	N
161	SAG-MR-10440	SABARMATI ASHRAM	15-09-2013	48	402	-88.01	85.03	Y

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 (%)	Genotype status (Y/N)
		GAUSHALA, BIDAJ						
162	SAG-BM-403	SABARMATI ASHRAM GAUSHALA, BIDAJ	10-01-2011	47	406	-109.74	84.78	N
163	ABC-SM-740	ANIMAL BREEDING CENTRE, SALON	17-08-2013	44	407	-76.10	84.57	N
164	SAG-MR-10459	SABARMATI ASHRAM GAUSHALA, BIDAJ	25-06-2014	43	397	59.36	84.25	Y
165	SAG-BM-306	SABARMATI ASHRAM GAUSHALA, BIDAJ	29-06-2003	42	424	104.12	84.05	Y
166	SAG-MR-10442	SABARMATI ASHRAM GAUSHALA, BIDAJ	21-01-2012	42	377	-80.42	84.00	N
167	SAG-MR-10441	SABARMATI ASHRAM GAUSHALA, BIDAJ	05-09-2012	40	369	132.96	83.78	Y
168	SAG-MR-10450	SABARMATI ASHRAM GAUSHALA, BIDAJ	05-12-2013	40	369	246.50	83.57	Y
169	SAG-MR-10439	SABARMATI ASHRAM GAUSHALA, BIDAJ	31-01-2014	37	334	40.94	83.39	Y
170	SAG-MR-10467	SABARMATI ASHRAM GAUSHALA, BIDAJ	08-08-2014	36	296	158.38	83.19	Y
171	SAG-BM-136	SABARMATI ASHRAM GAUSHALA, BIDAJ	20-06-1996	36	341	345.79	82.97	Y
172	SAG-HEERA	SABARMATI ASHRAM GAUSHALA, BIDAJ	09-09-2012	38	378	91.70	82.80	N
173	SAG-MR-10475	SABARMATI ASHRAM GAUSHALA, BIDAJ	30-09-2014	33	293	-45.71	82.17	Y
174	SAG-MR-10476	SABARMATI ASHRAM GAUSHALA, BIDAJ	07-09-2014	32	281	190.93	82.09	Y

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 (%)	Genotype status (Y/N)
175	SAG-MR-10429	SABARMATI ASHRAM GAUSHALA, BIDAJ	20-08-2012	32	277	11.07	81.93	Y
176	SAG-MR-10449	SABARMATI ASHRAM GAUSHALA, BIDAJ	09-10-2013	34	326	62.70	81.84	Y
177	SAG-MR-10471	SABARMATI ASHRAM GAUSHALA, BIDAJ	11-02-2015	34	311	35.04	81.68	Y
178	SAG-MR-10448	SABARMATI ASHRAM GAUSHALA, BIDAJ	28-09-2013	29	254	245.77	80.80	N
179	SAG-MR-10427	SABARMATI ASHRAM GAUSHALA, BIDAJ	08-01-2012	29	284	- 133.06	80.62	Y
180	SAG-MR-10437	SABARMATI ASHRAM GAUSHALA, BIDAJ	01-08-2014	31	292	256.85	80.58	Y
181	SAG-BM-279	SABARMATI ASHRAM GAUSHALA, BIDAJ	17-09-2004	24	250	144.65	79.70	N
182	SAG-BM-228	SABARMATI ASHRAM GAUSHALA, BIDAJ	02-09-2002	26	252	420.62	79.52	Y
183	SAG-MR-10479	SABARMATI ASHRAM GAUSHALA, BIDAJ	13-10-2014	28	249	156.72	79.44	Y
184	SAG-BM-227	SABARMATI ASHRAM GAUSHALA, BIDAJ	11-11-2001	23	224	32.30	79.31	Y
185	SAG-BM-185	SABARMATI ASHRAM GAUSHALA, BIDAJ	31-05-2001	21	190	-19.68	78.26	N
186	SAG-MR-10464	SABARMATI ASHRAM GAUSHALA, BIDAJ	12-09-2014	28	234	- 163.90	78.03	Y
187	SAG-BM-216	SABARMATI ASHRAM GAUSHALA, BIDAJ	22-07-2001	21	204	114.63	76.69	N

<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>	<b>Genotype status (Y/N)</b>
188	SAG-BM-218	SABARMATI ASHRAM GAUSHALA, BIDAJ	16-04-2001	21	205	15.07	75.45	N
189	SAG-BM-133	SABARMATI ASHRAM GAUSHALA, BIDAJ	07-09-1996	22	192	30.31	75.33	N
190	SAG-BM-186	SABARMATI ASHRAM GAUSHALA, BIDAJ	09-06-2001	20	196	1.00	74.77	N
191	SAG-BM-233	SABARMATI ASHRAM GAUSHALA, BIDAJ	09-10-2002	15	136	-18.96	74.41	Y
192	SAG-MR-10518	SABARMATI ASHRAM GAUSHALA, BIDAJ	22-07-2014	18	145	215.00	74.36	Y
193	SAG-BM-195	SABARMATI ASHRAM GAUSHALA, BIDAJ	04-11-2001	12	111	38.91	73.91	Y
194	SAG-BM-235	SABARMATI ASHRAM GAUSHALA, BIDAJ	01-09-2003	16	149	-102.64	73.66	Y
195	SAG-BM-187	SABARMATI ASHRAM GAUSHALA, BIDAJ	01-09-2001	9	85	-45.65	72.64	Y
196	SAG-MR-10469	SABARMATI ASHRAM GAUSHALA, BIDAJ	03-08-2014	14	114	189.33	72.46	Y
197	SAG-MR-10481	SABARMATI ASHRAM GAUSHALA, BIDAJ	01-11-2014	15	105	321.35	72.31	Y
198	SAG-BM-200	SABARMATI ASHRAM GAUSHALA, BIDAJ	28-10-2001	17	164	-141.36	71.18	N
199	SAG-MR-10480	SABARMATI ASHRAM GAUSHALA, BIDAJ	25-09-2014	15	135	69.38	70.75	Y
200	SAG-MR-10493	SABARMATI ASHRAM GAUSHALA, BIDAJ	26-07-2015	15	116	-4.46	70.74	N

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 (%)	Genotype status (Y/N)
201	SAG-MR-10444	SABARMATI ASHRAM GAUSHALA, BIDAJ	23-10-2011	15	124	46.61	70.72	Y

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

**Species: Buffalo**

**Breed: Murrah**

**Date of estimation: 29 December 2023**

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 (%)	Genotype status (Y/N)
1	SAG-BM-297	SABARMATI ASHRAM GAUSHALA, BIDAJ	13-04-2006	123	1229	12.78	0.21	90.89	Y
2	SAG-BM-277	SABARMATI ASHRAM GAUSHALA, BIDAJ	15-01-2005	91	883	-2.41	-0.09	90.63	N
3	ROH-RM-010	ROHTAK SEMEN STATION, ROHTAK	16-10-2010	102	993	3.19	-0.14	90.36	N
4	SAG-BM-339	SABARMATI ASHRAM GAUSHALA, BIDAJ	14-02-2009	102	948	-2.09	-0.19	90.21	N
5	SAG-BM-274	SABARMATI ASHRAM GAUSHALA, BIDAJ	28-03-2005	113	1117	4.56	-0.08	90.21	Y
6	SAG-BM-378	SABARMATI ASHRAM GAUSHALA, BIDAJ	21-10-2011	110	1057	0.29	0.08	90.01	Y
7	SAG-BM-304	SABARMATI ASHRAM GAUSHALA, BIDAJ	28-03-2007	113	1067	-6.71	-0.11	90.01	Y
8	SAG-BM-221	SABARMATI ASHRAM GAUSHALA, BIDAJ	09-09-2002	95	937	-6.57	0.04	90.00	N
9	SAG-BM-273	SABARMATI ASHRAM GAUSHALA, BIDAJ	25-08-2004	103	1049	3.33	0.06	89.88	Y
10	SAG-BM-390	SABARMATI ASHRAM	05-08-2011	73	644	8.24	-0.15	89.63	Y



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 (%)	Genotype status (Y/N)
		GAUSHALA, BIDAJ							
11	SAG-BM-370	SABARMATI ASHRAM GAUSHALA, BIDAJ	06-12-2010	101	950	-10.56	-0.11	89.49	N
12	SAG-BM-392	SABARMATI ASHRAM GAUSHALA, BIDAJ	01-08-2011	69	662	17.07	-0.07	89.48	Y
13	SAG-BM-266	SABARMATI ASHRAM GAUSHALA, BIDAJ	17-09-2004	106	1021	-1.62	-0.03	89.43	Y
14	SAG-BM-349	SABARMATI ASHRAM GAUSHALA, BIDAJ	07-08-2009	103	962	8.66	-0.19	89.42	Y
15	SAG-BM-294	SABARMATI ASHRAM GAUSHALA, BIDAJ	25-10-2005	104	1052	-9.65	0.17	89.33	Y
16	SAG-BM-347	SABARMATI ASHRAM GAUSHALA, BIDAJ	09-10-2009	91	875	6.76	0.10	89.26	Y
17	SAG-BM-305	SABARMATI ASHRAM GAUSHALA, BIDAJ	01-09-2006	102	1005	2.38	-0.08	89.24	Y
18	SAG-BM-358	SABARMATI ASHRAM GAUSHALA, BIDAJ	28-08-2010	104	1016	-3.20	-0.34	89.19	Y
19	SAG-BM-236	SABARMATI ASHRAM GAUSHALA, BIDAJ	08-08-2003	91	826	7.79	0.43	89.18	N
20	SAG-BM-303	SABARMATI ASHRAM GAUSHALA, BIDAJ	15-01-2007	95	955	9.25	0.03	89.00	Y
21	SAG-BM-248	SABARMATI ASHRAM GAUSHALA, BIDAJ	22-09-2004	100	982	11.29	0.54	88.98	Y
22	ROH-RM-013	ROHTAK SEMEN STATION, ROHTAK	20-08-2010	77	725	8.26	0.02	88.94	N
23	SAG-BM-251	SABARMATI ASHRAM	12-09-2004	96	954	5.25	0.19	88.87	Y

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 (%)	Genotype status (Y/N)
		GAUSHALA, BIDAJ							
24	SAG-BM-307	SABARMATI ASHRAM GAUSHALA, BIDAJ	25-12-2007	95	968	17.40	0.11	88.78	Y
25	SAG-BM-263	SABARMATI ASHRAM GAUSHALA, BIDAJ	17-01-2006	96	927	11.98	-0.20	88.77	Y
26	SAG-BM-333	SABARMATI ASHRAM GAUSHALA, BIDAJ	03-06-2008	95	931	16.38	-0.13	88.76	Y
27	SAG-BM-292	SABARMATI ASHRAM GAUSHALA, BIDAJ	08-09-2005	95	927	6.36	-0.03	88.62	Y
28	SAG-BM-295	SABARMATI ASHRAM GAUSHALA, BIDAJ	17-10-2005	94	901	-2.91	0.03	88.46	Y
29	SAG-BM-293	SABARMATI ASHRAM GAUSHALA, BIDAJ	18-11-2005	91	890	7.96	0.07	88.42	Y
30	SAG-BM-395	SABARMATI ASHRAM GAUSHALA, BIDAJ	20-05-2011	91	840	-5.53	-0.17	88.42	Y
31	SAG-BM-394	SABARMATI ASHRAM GAUSHALA, BIDAJ	05-03-2011	94	866	-2.59	0.01	88.42	Y
32	SAG-BM-357	SABARMATI ASHRAM GAUSHALA, BIDAJ	17-09-2009	88	835	-4.90	-0.17	88.41	Y
33	SAG-BM-317	SABARMATI ASHRAM GAUSHALA, BIDAJ	29-09-2007	74	716	6.81	-0.07	88.35	N
34	SAG-BM-359	SABARMATI ASHRAM GAUSHALA, BIDAJ	18-11-2010	91	843	-6.93	-0.08	88.20	Y
35	SAG-BM-275	SABARMATI ASHRAM GAUSHALA, BIDAJ	05-01-2006	93	900	-8.32	0.16	88.14	Y
36	SAG-BM-379	SABARMATI ASHRAM	13-11-2010	89	809	-5.67	-0.33	88.09	Y

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 (%)	Genotype status (Y/N)
		GAUSHALA, BIDAJ							
37	SAG-BM-342	SABARMATI ASHRAM GAUSHALA, BIDAJ	09-11-2009	87	813	10.19	-0.14	88.08	Y
38	ROH-RM-001	ROHTAK SEMEN STATION, ROHTAK	31-05-2010	90	858	11.80	-0.22	88.06	N
39	SAG-BM-225	SABARMATI ASHRAM GAUSHALA, BIDAJ	28-01-2001	87	838	5.32	0.09	88.02	Y
40	SAG-BM-335	SABARMATI ASHRAM GAUSHALA, BIDAJ	03-10-2008	88	841	0.74	-0.08	88.00	Y
41	SAG-BM-271	SABARMATI ASHRAM GAUSHALA, BIDAJ	29-08-2004	88	895	9.51	0.25	87.98	Y
42	SAG-BM-289	SABARMATI ASHRAM GAUSHALA, BIDAJ	01-11-2005	87	849	-6.02	0.00	87.92	Y
43	SAG-BM-372	SABARMATI ASHRAM GAUSHALA, BIDAJ	03-11-2010	90	861	6.37	-0.18	87.87	Y
44	SAG-BM-260	SABARMATI ASHRAM GAUSHALA, BIDAJ	01-12-2004	87	843	17.04	0.30	87.78	Y
45	SAG-BM-354	SABARMATI ASHRAM GAUSHALA, BIDAJ	04-07-2010	78	752	0.61	-0.07	87.73	N
46	SAG-BM-398	SABARMATI ASHRAM GAUSHALA, BIDAJ	15-11-2011	90	799	7.29	-0.02	87.71	Y
47	SAG-BM-408	SABARMATI ASHRAM GAUSHALA, BIDAJ	05-01-2011	93	806	-1.29	0.05	87.54	N
48	SAG-BM-343	SABARMATI ASHRAM GAUSHALA, BIDAJ	26-01-2009	89	850	-4.22	-0.26	87.47	Y
49	ROH-RM-020	ROHTAK SEMEN	15-11-2010	79	761	-1.42	-0.14	87.41	N

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 (%)	Genotype status (Y/N)
		STATION, ROHTAK							
50	ROH-RM-019	ROHTAK SEMEN STATION, ROHTAK	24-09-2010	84	806	5.08	-0.03	87.39	N
51	SAG-BM-362	SABARMATI ASHRAM GAUSHALA, BIDAJ	26-08-2010	80	762	11.57	-0.23	87.36	Y
52	ROH-RM-009	ROHTAK SEMEN STATION, ROHTAK	08-11-2010	85	785	-4.69	-0.12	87.27	N
53	SAG-BM-368	SABARMATI ASHRAM GAUSHALA, BIDAJ	20-10-2010	82	779	3.66	-0.18	87.25	Y
54	SAG-BM-298	SABARMATI ASHRAM GAUSHALA, BIDAJ	04-03-2006	79	789	-4.08	0.03	87.19	Y
55	ROH-RM-012	ROHTAK SEMEN STATION, ROHTAK	16-12-2010	79	741	-8.00	-0.13	87.10	N
56	SAG-BM-223	SABARMATI ASHRAM GAUSHALA, BIDAJ	20-07-2001	74	701	0.70	-0.07	86.92	Y
57	SAG-BM-242	SABARMATI ASHRAM GAUSHALA, BIDAJ	18-08-2003	78	781	10.52	0.09	86.91	Y
58	SAG-BM-346	SABARMATI ASHRAM GAUSHALA, BIDAJ	09-11-2008	80	734	-3.59	-0.34	86.88	Y
59	SAG-BM-308	SABARMATI ASHRAM GAUSHALA, BIDAJ	11-08-2007	79	738	-1.39	-0.11	86.86	Y
60	SAG-BM-377	SABARMATI ASHRAM GAUSHALA, BIDAJ	21-10-2011	76	712	5.03	-0.06	86.84	N
61	SAG-BM-353	SABARMATI ASHRAM GAUSHALA, BIDAJ	01-10-2010	81	757	-1.95	-0.01	86.81	Y
62	SAG-MR-10411	SABARMATI ASHRAM	08-07-2011	80	716	-2.53	-0.05	86.78	N

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 (%)	Genotype status (Y/N)
		GAUSHALA, BIDAJ							
63	SAG-BM-252	SABARMATI ASHRAM GAUSHALA, BIDAJ	24-11-2004	75	692	5.13	-0.02	86.78	Y
64	SAG-BM-270	SABARMATI ASHRAM GAUSHALA, BIDAJ	01-09-2004	79	778	-8.83	0.28	86.73	Y
65	ROH-RM-005	ROHTAK SEMEN STATION, ROHTAK	29-09-2010	78	760	6.32	0.15	86.58	N
66	SAG-BM-268	SABARMATI ASHRAM GAUSHALA, BIDAJ	09-10-2004	76	741	1.14	0.10	86.53	Y
67	ROH-RM-007	ROHTAK SEMEN STATION, ROHTAK	14-08-2010	76	753	8.83	0.16	86.51	N
68	ROH-RM-003	ROHTAK SEMEN STATION, ROHTAK	08-08-2010	78	749	4.74	-0.31	86.47	N
69	SAG-BM-332	SABARMATI ASHRAM GAUSHALA, BIDAJ	12-01-2008	79	758	-14.40	-0.25	86.42	Y
70	SAG-MR-10416	SABARMATI ASHRAM GAUSHALA, BIDAJ	23-12-2011	79	715	-3.66	-0.09	86.41	N
71	ROH-RM-030	ROHTAK SEMEN STATION, ROHTAK	02-12-2010	77	706	3.78	-0.07	86.28	N
72	SAG-BM-299	SABARMATI ASHRAM GAUSHALA, BIDAJ	02-01-2006	67	653	-4.06	-0.13	86.24	Y
73	ROH-RM-018	ROHTAK SEMEN STATION, ROHTAK	27-01-2011	65	597	-10.41	-0.32	86.21	N
74	SAG-BM-241	SABARMATI ASHRAM GAUSHALA, BIDAJ	28-10-2002	74	707	23.74	0.21	86.15	Y
75	SAG-BM-386	SABARMATI ASHRAM	09-01-2011	76	710	-10.24	-0.21	86.10	N

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 (%)	Genotype status (Y/N)
		GAUSHALA, BIDAJ							
76	SAG-BM-374	SABARMATI ASHRAM GAUSHALA, BIDAJ	20-05-2011	71	637	-0.08	-0.08	86.09	Y
77	SAG-BM-311	SABARMATI ASHRAM GAUSHALA, BIDAJ	30-07-2006	72	683	2.79	0.00	86.06	Y
78	SAG-BM-367	SABARMATI ASHRAM GAUSHALA, BIDAJ	06-10-2010	76	696	-15.57	-0.25	86.03	N
79	SAG-BM-318	SABARMATI ASHRAM GAUSHALA, BIDAJ	05-01-2008	77	755	-4.92	-0.22	85.99	Y
80	SAG-BM-262	SABARMATI ASHRAM GAUSHALA, BIDAJ	10-09-2005	72	716	-3.02	0.38	85.88	Y
81	SAG-BM-385	SABARMATI ASHRAM GAUSHALA, BIDAJ	08-06-2011	75	711	-4.69	-0.15	85.88	Y
82	SAG-BM-369	SABARMATI ASHRAM GAUSHALA, BIDAJ	20-09-2010	73	688	10.02	-0.15	85.86	Y
83	SAG-MR-10415	SABARMATI ASHRAM GAUSHALA, BIDAJ	18-09-2012	75	657	2.55	0.01	85.83	N
84	SAG-BM-272	SABARMATI ASHRAM GAUSHALA, BIDAJ	02-10-2004	69	671	13.82	0.05	85.74	Y
85	ROH-RM-024	ROHTAK SEMEN STATION, ROHTAK	10-09-2010	72	688	4.68	-0.16	85.71	N
86	SAG-BM-267	SABARMATI ASHRAM GAUSHALA, BIDAJ	12-09-2004	69	667	-20.18	-0.02	85.71	N
87	SAG-BM-371	SABARMATI ASHRAM GAUSHALA, BIDAJ	08-10-2010	76	656	-20.89	-0.38	85.70	Y
88	SAG-BM-397	SABARMATI ASHRAM	20-01-2011	70	653	0.42	-0.02	85.69	Y

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 (%)	Genotype status (Y/N)
		GAUSHALA, BIDAJ							
89	SAG-BM-310	SABARMATI ASHRAM GAUSHALA, BIDAJ	15-09-2007	67	623	2.55	-0.05	85.69	Y
90	SAG-BM-381	SABARMATI ASHRAM GAUSHALA, BIDAJ	14-10-2010	73	662	20.64	0.05	85.65	Y
91	SAG-BM-393	SABARMATI ASHRAM GAUSHALA, BIDAJ	04-09-2011	73	666	12.64	-0.23	85.62	Y
92	SAG-BM-315	SABARMATI ASHRAM GAUSHALA, BIDAJ	21-12-2007	68	643	-7.14	-0.13	85.58	Y
93	SAG-BM-287	SABARMATI ASHRAM GAUSHALA, BIDAJ	18-01-2006	69	659	-5.43	-0.28	85.47	Y
94	SAG-BM-319	SABARMATI ASHRAM GAUSHALA, BIDAJ	16-09-2007	66	627	3.66	-0.01	85.37	Y
95	SAG-BM-246	SABARMATI ASHRAM GAUSHALA, BIDAJ	01-09-2003	63	618	15.63	0.20	85.32	Y
96	SAG-BM-264	SABARMATI ASHRAM GAUSHALA, BIDAJ	10-05-2005	70	663	5.12	-0.04	85.31	Y
97	SAG-BM-226	SABARMATI ASHRAM GAUSHALA, BIDAJ	17-12-2001	64	587	-0.01	0.22	85.28	Y
98	SAG-BM-255	SABARMATI ASHRAM GAUSHALA, BIDAJ	17-10-2004	67	646	-0.02	-0.16	85.27	Y
99	SAG-BM-373	SABARMATI ASHRAM GAUSHALA, BIDAJ	06-07-2010	69	660	3.12	0.03	85.26	Y
100	SAG-MR-10435	SABARMATI ASHRAM GAUSHALA, BIDAJ	13-07-2013	65	600	15.16	-0.06	85.26	Y
101	ROH-RM-006	ROHTAK SEMEN	25-08-2010	64	585	-4.59	-0.42	85.26	N

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 (%)	Genotype status (Y/N)
		STATION, ROHTAK							
102	SAG-BM-329	SABARMATI ASHRAM GAUSHALA, BIDAJ	29-12-2008	68	678	-4.64	-0.20	85.19	Y
103	SAG-BM-376	SABARMATI ASHRAM GAUSHALA, BIDAJ	08-10-2010	68	652	23.56	-0.11	85.18	N
104	SAG-BM-363	SABARMATI ASHRAM GAUSHALA, BIDAJ	14-11-2010	69	637	1.35	-0.28	84.95	Y
105	SAG-BM-400	SABARMATI ASHRAM GAUSHALA, BIDAJ	15-07-2011	64	580	- 16.93	-0.39	84.87	N
106	SAG-BM-331	SABARMATI ASHRAM GAUSHALA, BIDAJ	21-01-2009	65	630	7.31	0.09	84.81	Y
107	SAG-MR- 10423	SABARMATI ASHRAM GAUSHALA, BIDAJ	07-03-2011	67	608	2.01	-0.07	84.64	N
108	SAG-BM-247	SABARMATI ASHRAM GAUSHALA, BIDAJ	18-05-2004	64	604	-4.29	0.31	84.61	Y
109	SAG-BM-375	SABARMATI ASHRAM GAUSHALA, BIDAJ	30-08-2010	66	587	-1.57	-0.19	84.58	Y
110	ROH-RM- 004	ROHTAK SEMEN STATION, ROHTAK	09-09-2010	63	600	22.28	0.05	84.58	N
111	SAG-BM-380	SABARMATI ASHRAM GAUSHALA, BIDAJ	10-12-2010	67	609	9.46	-0.40	84.55	Y
112	ROH-RM- 015	ROHTAK SEMEN STATION, ROHTAK	07-01-2011	67	585	- 19.59	-0.23	84.49	Y
113	ROH-RM- 016	ROHTAK SEMEN STATION, ROHTAK	20-09-2010	62	597	19.20	0.01	84.19	N
114	SAG-MR- 10426	SABARMATI ASHRAM	08-07-2012	65	592	23.18	0.02	84.18	Y



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 (%)	Genotype status (Y/N)
		GAUSHALA, BIDAJ							
115	SAG-MR-10430	SABARMATI ASHRAM GAUSHALA, BIDAJ	18-07-2012	64	573	-2.05	-0.03	84.10	N
116	SAG-BM-245	SABARMATI ASHRAM GAUSHALA, BIDAJ	31-10-2002	57	557	4.69	0.22	84.02	Y
117	SAG-MR-10428	SABARMATI ASHRAM GAUSHALA, BIDAJ	25-11-2011	58	525	0.37	0.08	83.99	Y
118	SAG-BM-396	SABARMATI ASHRAM GAUSHALA, BIDAJ	25-07-2011	62	574	8.33	0.05	83.96	Y
119	SAG-MR-10410	SABARMATI ASHRAM GAUSHALA, BIDAJ	25-10-2011	63	594	-1.18	-0.01	83.96	N
120	SAG-BM-352	SABARMATI ASHRAM GAUSHALA, BIDAJ	15-08-2010	57	509	-2.91	-0.15	83.88	Y
121	SAG-MR-10424	SABARMATI ASHRAM GAUSHALA, BIDAJ	03-09-2012	56	518	6.62	-0.23	83.83	Y
122	SAG-BM-296	SABARMATI ASHRAM GAUSHALA, BIDAJ	17-11-2004	63	602	12.23	0.07	83.72	Y
123	SAG-BM-406	SABARMATI ASHRAM GAUSHALA, BIDAJ	31-07-2012	59	523	-4.27	-0.01	83.71	Y
124	SAG-MR-10457	SABARMATI ASHRAM GAUSHALA, BIDAJ	02-12-2013	63	526	-9.91	0.09	83.64	N
125	SAG-MR-10417	SABARMATI ASHRAM GAUSHALA, BIDAJ	19-10-2012	58	522	-5.55	-0.04	83.64	Y
126	SAG-BM-316	SABARMATI ASHRAM GAUSHALA, BIDAJ	02-01-2007	61	594	0.49	-0.03	83.63	Y
127	SAG-BM-243	SABARMATI ASHRAM	02-08-2003	59	562	9.88	0.17	83.52	Y

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 (%)	Genotype status (Y/N)
		GAUSHALA, BIDAJ							
128	ROH-RM-026	ROHTAK SEMEN STATION, ROHTAK	02-07-2010	61	539	-3.10	0.00	83.47	N
129	ROH-RM-032	ROHTAK SEMEN STATION, ROHTAK	01-11-2012	61	563	-1.72	-0.07	83.44	N
130	SAG-BM-312	SABARMATI ASHRAM GAUSHALA, BIDAJ	10-09-2007	57	546	10.10	0.05	83.36	Y
131	SAG-BM-388	SABARMATI ASHRAM GAUSHALA, BIDAJ	09-01-2011	61	575	17.57	0.08	83.27	Y
132	SAG-BM-322	SABARMATI ASHRAM GAUSHALA, BIDAJ	01-03-2007	55	532	-5.17	-0.02	83.08	Y
133	SAG-MR-10425	SABARMATI ASHRAM GAUSHALA, BIDAJ	09-03-2012	59	514	13.88	0.05	83.06	Y
134	SAG-MR-10438	SABARMATI ASHRAM GAUSHALA, BIDAJ	04-01-2014	60	537	3.56	-0.19	83.04	Y
135	SAG-BM-224	SABARMATI ASHRAM GAUSHALA, BIDAJ	01-04-2001	57	547	-3.06	0.06	83.02	Y
136	SAG-BM-401	SABARMATI ASHRAM GAUSHALA, BIDAJ	20-08-2011	57	539	2.11	0.18	83.00	N
137	SAG-BM-281	SABARMATI ASHRAM GAUSHALA, BIDAJ	11-07-2005	57	569	-7.73	0.07	82.86	Y
138	SAG-BM-356	SABARMATI ASHRAM GAUSHALA, BIDAJ	18-08-2010	56	541	3.01	-0.27	82.80	Y
139	SAG-MR-10432	SABARMATI ASHRAM GAUSHALA, BIDAJ	25-06-2013	54	494	-8.82	0.09	82.76	Y
140	SAG-BM-258	SABARMATI ASHRAM	08-10-2003	50	471	-4.97	0.10	82.71	N

<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>	<b>Genotype status (Y/N)</b>
		GAUSHALA, BIDAJ							
141	SAG-BM-290	SABARMATI ASHRAM GAUSHALA, BIDAJ	29-08-2004	53	536	1.66	-0.12	82.66	Y
142	ROH-RM-027	ROHTAK SEMEN STATION, ROHTAK	04-09-2010	53	498	-8.80	-0.04	82.58	N
143	SAG-MR-10431	SABARMATI ASHRAM GAUSHALA, BIDAJ	08-08-2012	59	540	5.40	0.28	82.49	N
144	ROH-RM-017	ROHTAK SEMEN STATION, ROHTAK	14-10-2010	54	506	-9.43	-0.04	82.38	Y
145	SAG-BM-391	SABARMATI ASHRAM GAUSHALA, BIDAJ	08-08-2011	54	518	0.70	-0.14	82.38	Y
146	SAG-MR-10420	SABARMATI ASHRAM GAUSHALA, BIDAJ	22-08-2012	55	505	14.06	-0.09	82.34	N
147	SAG-BM-231	SABARMATI ASHRAM GAUSHALA, BIDAJ	22-11-2002	50	493	6.72	-0.04	82.15	Y
148	ROH-RM-031	ROHTAK SEMEN STATION, ROHTAK	10-10-2012	53	484	-6.19	-0.05	82.01	N
149	ROH-RM-008	ROHTAK SEMEN STATION, ROHTAK	02-10-2010	41	381	-9.32	-0.28	81.87	N
150	SAG-BM-399	SABARMATI ASHRAM GAUSHALA, BIDAJ	08-08-2011	49	410	-2.36	-0.29	81.67	Y
151	SAG-BM-288	SABARMATI ASHRAM GAUSHALA, BIDAJ	09-10-2005	50	491	-1.31	0.17	81.59	Y
152	SAG-MR-10434	SABARMATI ASHRAM GAUSHALA, BIDAJ	12-11-2011	51	485	11.67	-0.01	81.52	N
153	SAG-BM-326	SABARMATI ASHRAM	25-12-2008	49	486	-4.63	-0.32	81.50	Y

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 (%)	Genotype status (Y/N)
		GAUSHALA, BIDAJ							
154	SAG-MR-10470	SABARMATI ASHRAM GAUSHALA, BIDAJ	15-10-2014	48	424	1.60	0.22	81.45	Y
155	SAG-BM-402	SABARMATI ASHRAM GAUSHALA, BIDAJ	06-09-2011	47	421	3.80	0.08	81.22	N
156	SAG-BM-278	SABARMATI ASHRAM GAUSHALA, BIDAJ	15-08-2005	48	484	-5.29	-0.13	81.17	Y
157	SAG-MR-10418	SABARMATI ASHRAM GAUSHALA, BIDAJ	19-12-2012	48	432	10.68	0.11	80.78	N
158	SAG-MR-10421	SABARMATI ASHRAM GAUSHALA, BIDAJ	28-09-2012	50	448	-3.21	0.01	80.77	Y
159	SAG-MR-10466	SABARMATI ASHRAM GAUSHALA, BIDAJ	23-08-2014	50	445	0.65	0.00	80.75	Y
160	SAG-BM-409	SABARMATI ASHRAM GAUSHALA, BIDAJ	20-12-2011	46	428	9.12	-0.15	80.05	N
161	SAG-MR-10440	SABARMATI ASHRAM GAUSHALA, BIDAJ	15-09-2013	47	373	-12.86	0.40	79.66	Y
162	ABC-SM-740	ANIMAL BREEDING CENTRE, SALON	17-08-2013	44	400	-2.49	-0.19	79.53	N
163	SAG-BM-403	SABARMATI ASHRAM GAUSHALA, BIDAJ	10-01-2011	45	380	-6.00	-0.13	79.28	N
164	SAG-BM-306	SABARMATI ASHRAM GAUSHALA, BIDAJ	29-06-2003	42	423	5.77	0.10	78.96	Y
165	SAG-MR-10459	SABARMATI ASHRAM GAUSHALA, BIDAJ	25-06-2014	43	383	1.43	0.17	78.95	Y
166	SAG-MR-10442	SABARMATI ASHRAM	21-01-2012	42	364	-3.11	-0.17	78.66	N

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 (%)	Genotype status (Y/N)
		GAUSHALA, BIDAJ							
167	SAG-MR-10441	SABARMATI ASHRAM GAUSHALA, BIDAJ	05-09-2012	40	357	8.06	0.09	78.25	Y
168	SAG-MR-10467	SABARMATI ASHRAM GAUSHALA, BIDAJ	08-08-2014	36	286	10.73	0.05	77.81	Y
169	SAG-MR-10439	SABARMATI ASHRAM GAUSHALA, BIDAJ	31-01-2014	36	308	-0.93	0.23	77.72	Y
170	SAG-MR-10450	SABARMATI ASHRAM GAUSHALA, BIDAJ	05-12-2013	38	353	18.30	-0.01	77.57	Y
171	SAG-HEERA	SABARMATI ASHRAM GAUSHALA, BIDAJ	09-09-2012	38	356	0.56	0.34	77.13	N
172	SAG-MR-10475	SABARMATI ASHRAM GAUSHALA, BIDAJ	30-09-2014	32	276	-1.43	-0.12	76.63	Y
173	SAG-MR-10476	SABARMATI ASHRAM GAUSHALA, BIDAJ	07-09-2014	31	265	7.47	0.35	76.35	Y
174	SAG-MR-10429	SABARMATI ASHRAM GAUSHALA, BIDAJ	20-08-2012	31	266	-0.19	0.06	76.05	Y
175	SAG-MR-10449	SABARMATI ASHRAM GAUSHALA, BIDAJ	09-10-2013	34	308	3.85	0.04	76.01	Y
176	SAG-MR-10471	SABARMATI ASHRAM GAUSHALA, BIDAJ	11-02-2015	34	297	1.72	0.05	75.76	Y
177	SAG-BM-136	SABARMATI ASHRAM GAUSHALA, BIDAJ	20-06-1996	27	258	25.73	-0.02	74.99	Y
178	SAG-MR-10448	SABARMATI ASHRAM GAUSHALA, BIDAJ	28-09-2013	28	238	16.95	0.05	74.80	N
179	SAG-MR-10427	SABARMATI ASHRAM	08-01-2012	29	268	-8.09	-0.11	74.71	Y

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 (%)	Genotype status (Y/N)
		GAUSHALA, BIDAJ							
180	SAG-BM-279	SABARMATI ASHRAM GAUSHALA, BIDAJ	17-09-2004	24	248	7.52	0.17	74.55	N
181	SAG-MR-10437	SABARMATI ASHRAM GAUSHALA, BIDAJ	01-08-2014	30	282	14.85	0.20	74.23	Y
182	SAG-BM-228	SABARMATI ASHRAM GAUSHALA, BIDAJ	02-09-2002	26	237	26.17	0.22	73.49	Y
183	SAG-BM-227	SABARMATI ASHRAM GAUSHALA, BIDAJ	11-11-2001	23	201	3.66	-0.07	73.14	Y
184	SAG-MR-10479	SABARMATI ASHRAM GAUSHALA, BIDAJ	13-10-2014	27	244	9.83	0.09	72.87	Y
185	SAG-BM-185	SABARMATI ASHRAM GAUSHALA, BIDAJ	31-05-2001	21	185	-2.21	0.05	72.82	N
186	SAG-MR-10464	SABARMATI ASHRAM GAUSHALA, BIDAJ	12-09-2014	28	220	-10.44	-0.10	71.06	Y
187	SAG-BM-216	SABARMATI ASHRAM GAUSHALA, BIDAJ	22-07-2001	21	191	7.27	0.06	70.64	N

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

**Species: Buffalo**

**Breed: Murrah**

**Date of estimation: 29 December 2023**

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	Genotype Status (Y/N)
1	SAG-BM-297	SABARMATI ASHRAM GAUSHALA, BIDAJ	13-04-2006	123	1229	22.75	1.02	92.93	Y
2	SAG-BM-277	SABARMATI ASHRAM	15-01-2005	91	877	-4.15	-0.34	92.44	N

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	Genotype Status (Y/N)
		GAUSHALA, BIDAJ							
3	ROH-RM-010	ROHTAK SEMEN STATION, ROHTAK	16-10-2010	102	993	0.76	0.07	92.41	N
4	SAG-BM-274	SABARMATI ASHRAM GAUSHALA, BIDAJ	28-03-2005	112	1098	4.56	0.20	92.34	Y
5	SAG-BM-339	SABARMATI ASHRAM GAUSHALA, BIDAJ	14-02-2009	102	948	-7.26	-0.35	92.33	N
6	SAG-BM-378	SABARMATI ASHRAM GAUSHALA, BIDAJ	21-10-2011	110	1057	1.11	0.18	92.27	Y
7	SAG-BM-304	SABARMATI ASHRAM GAUSHALA, BIDAJ	28-03-2007	113	1063	-10.89	-0.66	92.27	Y
8	SAG-BM-273	SABARMATI ASHRAM GAUSHALA, BIDAJ	25-08-2004	103	1049	8.17	0.16	92.12	Y
9	SAG-BM-349	SABARMATI ASHRAM GAUSHALA, BIDAJ	07-08-2009	103	962	6.94	0.36	91.84	Y
10	SAG-BM-370	SABARMATI ASHRAM GAUSHALA, BIDAJ	06-12-2010	101	950	-17.50	-0.87	91.82	N
11	SAG-BM-266	SABARMATI ASHRAM GAUSHALA, BIDAJ	17-09-2004	106	1021	-3.66	-0.11	91.82	Y
12	SAG-BM-390	SABARMATI ASHRAM GAUSHALA, BIDAJ	05-08-2011	73	644	7.93	0.34	91.78	Y
13	SAG-BM-294	SABARMATI ASHRAM GAUSHALA, BIDAJ	25-10-2005	104	1043	-8.74	-0.55	91.72	Y
14	SAG-BM-358	SABARMATI ASHRAM GAUSHALA, BIDAJ	28-08-2010	104	1016	-10.99	-0.66	91.64	Y
15	SAG-BM-392	SABARMATI ASHRAM	01-08-2011	69	662	21.48	0.95	91.64	Y

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	Genotype Status (Y/N)
		GAUSHALA, BIDAJ							
16	SAG-BM-221	SABARMATI ASHRAM GAUSHALA, BIDAJ	09-09-2002	89	801	-8.39	-0.42	91.61	N
17	SAG-BM-347	SABARMATI ASHRAM GAUSHALA, BIDAJ	09-10-2009	91	875	9.01	0.70	91.58	Y
18	SAG-BM-305	SABARMATI ASHRAM GAUSHALA, BIDAJ	01-09-2006	101	983	2.99	-0.02	91.50	Y
19	SAG-BM-303	SABARMATI ASHRAM GAUSHALA, BIDAJ	15-01-2007	95	952	13.84	0.58	91.43	Y
20	SAG-BM-251	SABARMATI ASHRAM GAUSHALA, BIDAJ	12-09-2004	96	954	10.08	0.65	91.36	Y
21	SAG-BM-307	SABARMATI ASHRAM GAUSHALA, BIDAJ	25-12-2007	95	963	24.19	1.28	91.28	Y
22	SAG-BM-333	SABARMATI ASHRAM GAUSHALA, BIDAJ	03-06-2008	95	930	18.76	0.87	91.27	Y
23	SAG-BM-263	SABARMATI ASHRAM GAUSHALA, BIDAJ	17-01-2006	96	927	-18.41	-1.30	91.26	Y
24	SAG-BM-248	SABARMATI ASHRAM GAUSHALA, BIDAJ	22-09-2004	97	904	28.19	1.36	91.23	Y
25	ROH-RM-013	ROHTAK SEMEN STATION, ROHTAK	20-08-2010	77	725	10.00	0.64	91.12	N
26	SAG-BM-292	SABARMATI ASHRAM GAUSHALA, BIDAJ	08-09-2005	95	927	8.33	0.36	91.11	Y
27	SAG-BM-394	SABARMATI ASHRAM GAUSHALA, BIDAJ	05-03-2011	94	863	-3.61	-0.16	91.01	Y
28	SAG-BM-395	SABARMATI ASHRAM	20-05-2011	91	840	-11.33	-0.59	91.00	Y



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	Genotype Status (Y/N)
		GAUSHALA, BIDAJ							
29	SAG-BM-236	SABARMATI ASHRAM GAUSHALA, BIDAJ	08-08-2003	83	705	23.19	0.89	90.97	N
30	SAG-BM-357	SABARMATI ASHRAM GAUSHALA, BIDAJ	17-09-2009	88	835	-9.84	-0.58	90.97	Y
31	SAG-BM-293	SABARMATI ASHRAM GAUSHALA, BIDAJ	18-11-2005	91	889	12.36	0.60	90.97	Y
32	SAG-BM-359	SABARMATI ASHRAM GAUSHALA, BIDAJ	18-11-2010	91	843	-11.63	-0.56	90.90	Y
33	SAG-BM-295	SABARMATI ASHRAM GAUSHALA, BIDAJ	17-10-2005	94	898	-2.65	-0.20	90.87	Y
34	SAG-BM-379	SABARMATI ASHRAM GAUSHALA, BIDAJ	13-11-2010	89	809	-13.34	-0.90	90.78	Y
35	SAG-BM-275	SABARMATI ASHRAM GAUSHALA, BIDAJ	05-01-2006	93	895	-6.84	-0.48	90.77	Y
36	SAG-BM-342	SABARMATI ASHRAM GAUSHALA, BIDAJ	09-11-2009	87	813	10.04	0.52	90.74	Y
37	ROH-RM-001	ROHTAK SEMEN STATION, ROHTAK	31-05-2010	90	858	11.27	0.47	90.72	N
38	SAG-BM-335	SABARMATI ASHRAM GAUSHALA, BIDAJ	03-10-2008	88	841	-0.50	-0.05	90.70	Y
39	SAG-BM-372	SABARMATI ASHRAM GAUSHALA, BIDAJ	03-11-2010	90	861	3.15	0.29	90.64	Y
40	SAG-BM-271	SABARMATI ASHRAM GAUSHALA, BIDAJ	29-08-2004	88	879	18.12	0.94	90.64	Y
41	SAG-BM-317	SABARMATI ASHRAM	29-09-2007	74	716	6.38	0.44	90.64	N

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	Genotype Status (Y/N)
		GAUSHALA, BIDAJ							
42	SAG-BM-289	SABARMATI ASHRAM GAUSHALA, BIDAJ	01-11-2005	87	848	-5.76	-0.58	90.63	Y
43	SAG-BM-398	SABARMATI ASHRAM GAUSHALA, BIDAJ	15-11-2011	90	799	9.54	0.44	90.54	Y
44	SAG-BM-260	SABARMATI ASHRAM GAUSHALA, BIDAJ	01-12-2004	86	779	30.66	1.37	90.42	Y
45	SAG-BM-408	SABARMATI ASHRAM GAUSHALA, BIDAJ	05-01-2011	93	803	-0.95	-0.02	90.37	N
46	SAG-BM-354	SABARMATI ASHRAM GAUSHALA, BIDAJ	04-07-2010	78	752	-0.59	-0.05	90.33	N
47	SAG-BM-343	SABARMATI ASHRAM GAUSHALA, BIDAJ	26-01-2009	89	850	-11.78	-0.59	90.25	Y
48	ROH-RM-019	ROHTAK SEMEN STATION, ROHTAK	24-09-2010	84	806	4.85	0.37	90.23	N
49	SAG-BM-362	SABARMATI ASHRAM GAUSHALA, BIDAJ	26-08-2010	80	762	10.67	0.46	90.17	Y
50	ROH-RM-009	ROHTAK SEMEN STATION, ROHTAK	08-11-2010	85	785	-8.81	-0.48	90.16	N
51	ROH-RM-020	ROHTAK SEMEN STATION, ROHTAK	15-11-2010	79	759	-5.49	-0.24	90.15	N
52	SAG-BM-368	SABARMATI ASHRAM GAUSHALA, BIDAJ	20-10-2010	82	779	0.70	0.06	90.13	Y
53	SAG-BM-298	SABARMATI ASHRAM GAUSHALA, BIDAJ	04-03-2006	79	777	-5.27	-0.24	89.98	Y
54	ROH-RM-012	ROHTAK SEMEN	16-12-2010	79	741	-14.53	-0.69	89.95	N

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	Genotype Status (Y/N)
		STATION, ROHTAK							
55	SAG-BM-225	SABARMATI ASHRAM GAUSHALA, BIDAJ	28-01-2001	78	694	12.16	0.31	89.89	Y
56	SAG-MR-10411	SABARMATI ASHRAM GAUSHALA, BIDAJ	08-07-2011	80	716	-3.75	-0.28	89.83	N
57	SAG-BM-346	SABARMATI ASHRAM GAUSHALA, BIDAJ	09-11-2008	80	734	-10.72	-0.75	89.82	Y
58	SAG-BM-242	SABARMATI ASHRAM GAUSHALA, BIDAJ	18-08-2003	78	781	15.91	0.79	89.82	Y
59	SAG-BM-308	SABARMATI ASHRAM GAUSHALA, BIDAJ	11-08-2007	79	738	-3.38	-0.30	89.77	Y
60	SAG-BM-353	SABARMATI ASHRAM GAUSHALA, BIDAJ	01-10-2010	81	757	-2.65	-0.17	89.77	Y
61	SAG-BM-377	SABARMATI ASHRAM GAUSHALA, BIDAJ	21-10-2011	76	710	6.70	0.20	89.77	N
62	SAG-MR-10416	SABARMATI ASHRAM GAUSHALA, BIDAJ	23-12-2011	79	712	-3.85	-0.55	89.57	N
63	ROH-RM-005	ROHTAK SEMEN STATION, ROHTAK	29-09-2010	78	760	10.33	0.68	89.55	N
64	SAG-BM-270	SABARMATI ASHRAM GAUSHALA, BIDAJ	01-09-2004	78	737	-4.98	-0.34	89.53	Y
65	SAG-BM-332	SABARMATI ASHRAM GAUSHALA, BIDAJ	12-01-2008	79	758	-23.51	-1.52	89.44	Y
66	SAG-BM-268	SABARMATI ASHRAM GAUSHALA, BIDAJ	09-10-2004	76	741	4.93	0.12	89.43	Y
67	ROH-RM-003	ROHTAK SEMEN	08-08-2010	78	749	-0.66	-0.04	89.42	N

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	Genotype Status (Y/N)
		STATION, ROHTAK							
68	ROH-RM-007	ROHTAK SEMEN STATION, ROHTAK	14-08-2010	76	753	14.77	0.81	89.41	N
69	ROH-RM-030	ROHTAK SEMEN STATION, ROHTAK	02-12-2010	77	706	4.47	0.12	89.40	N
70	SAG-BM-252	SABARMATI ASHRAM GAUSHALA, BIDAJ	24-11-2004	73	624	7.31	0.27	89.39	Y
71	SAG-BM-223	SABARMATI ASHRAM GAUSHALA, BIDAJ	20-07-2001	70	594	-0.67	-0.04	89.39	Y
72	SAG-BM-386	SABARMATI ASHRAM GAUSHALA, BIDAJ	09-01-2011	76	710	-18.53	-1.01	89.23	N
73	SAG-BM-367	SABARMATI ASHRAM GAUSHALA, BIDAJ	06-10-2010	76	695	-24.77	-1.62	89.20	N
74	SAG-BM-374	SABARMATI ASHRAM GAUSHALA, BIDAJ	20-05-2011	71	637	-3.03	-0.04	89.13	Y
75	SAG-BM-299	SABARMATI ASHRAM GAUSHALA, BIDAJ	02-01-2006	67	648	-6.23	-0.58	89.11	Y
76	SAG-BM-311	SABARMATI ASHRAM GAUSHALA, BIDAJ	30-07-2006	72	685	3.52	0.20	89.11	Y
77	SAG-MR-10415	SABARMATI ASHRAM GAUSHALA, BIDAJ	18-09-2012	75	652	5.66	0.07	89.06	N
78	SAG-BM-385	SABARMATI ASHRAM GAUSHALA, BIDAJ	08-06-2011	75	711	-9.49	-0.53	89.05	Y
79	ROH-RM-018	ROHTAK SEMEN STATION, ROHTAK	27-01-2011	65	597	-19.04	-1.28	89.03	N
80	SAG-BM-369	SABARMATI ASHRAM	20-09-2010	73	688	10.83	0.43	89.02	Y

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		GAUSHALA, BIDAJ							
81	SAG-BM-241	SABARMATI ASHRAM GAUSHALA, BIDAJ	28-10-2002	72	665	40.94	1.44	89.00	Y
82	SAG-BM-318	SABARMATI ASHRAM GAUSHALA, BIDAJ	05-01-2008	77	755	-12.65	-0.54	88.96	Y
83	SAG-BM-371	SABARMATI ASHRAM GAUSHALA, BIDAJ	08-10-2010	76	655	-33.65	-2.35	88.95	Y
84	SAG-BM-262	SABARMATI ASHRAM GAUSHALA, BIDAJ	10-09-2005	72	674	5.58	0.20	88.92	Y
85	ROH-RM-024	ROHTAK SEMEN STATION, ROHTAK	10-09-2010	72	688	2.66	0.13	88.90	N
86	SAG-BM-393	SABARMATI ASHRAM GAUSHALA, BIDAJ	04-09-2011	73	666	-21.71	-1.26	88.88	Y
87	SAG-BM-381	SABARMATI ASHRAM GAUSHALA, BIDAJ	14-10-2010	73	661	26.37	1.41	88.88	Y
88	SAG-BM-397	SABARMATI ASHRAM GAUSHALA, BIDAJ	20-01-2011	70	653	-0.19	0.02	88.85	Y
89	SAG-BM-310	SABARMATI ASHRAM GAUSHALA, BIDAJ	15-09-2007	67	623	2.08	0.13	88.78	Y
90	SAG-BM-315	SABARMATI ASHRAM GAUSHALA, BIDAJ	21-12-2007	68	642	-10.86	-0.77	88.76	Y
91	SAG-BM-272	SABARMATI ASHRAM GAUSHALA, BIDAJ	02-10-2004	68	653	20.30	0.88	88.75	Y
92	SAG-BM-287	SABARMATI ASHRAM GAUSHALA, BIDAJ	18-01-2006	69	659	-13.88	-0.69	88.65	Y
93	SAG-BM-373	SABARMATI ASHRAM	06-07-2010	69	656	4.50	0.26	88.57	Y

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		GAUSHALA, BIDAJ							
94	SAG-BM-319	SABARMATI ASHRAM GAUSHALA, BIDAJ	16-09-2007	66	627	4.48	0.24	88.53	Y
95	SAG-BM-255	SABARMATI ASHRAM GAUSHALA, BIDAJ	17-10-2004	67	646	-3.59	-0.19	88.53	Y
96	SAG-MR-10435	SABARMATI ASHRAM GAUSHALA, BIDAJ	13-07-2013	65	598	19.22	0.85	88.51	Y
97	SAG-BM-267	SABARMATI ASHRAM GAUSHALA, BIDAJ	12-09-2004	67	598	-24.69	-1.90	88.46	N
98	SAG-BM-376	SABARMATI ASHRAM GAUSHALA, BIDAJ	08-10-2010	68	652	27.67	1.32	88.43	N
99	SAG-BM-329	SABARMATI ASHRAM GAUSHALA, BIDAJ	29-12-2008	68	678	-9.61	-0.64	88.41	Y
100	ROH-RM-006	ROHTAK SEMEN STATION, ROHTAK	25-08-2010	64	585	-15.57	-0.80	88.40	N
101	SAG-BM-226	SABARMATI ASHRAM GAUSHALA, BIDAJ	17-12-2001	63	551	3.28	0.38	88.39	Y
102	SAG-BM-264	SABARMATI ASHRAM GAUSHALA, BIDAJ	10-05-2005	69	605	8.14	0.18	88.38	Y
103	SAG-BM-246	SABARMATI ASHRAM GAUSHALA, BIDAJ	01-09-2003	62	576	28.74	1.04	88.32	Y
104	SAG-BM-363	SABARMATI ASHRAM GAUSHALA, BIDAJ	14-11-2010	69	637	-4.00	-0.26	88.28	Y
105	SAG-BM-400	SABARMATI ASHRAM GAUSHALA, BIDAJ	15-07-2011	64	577	-28.41	-1.99	88.21	N
106	SAG-MR-10423	SABARMATI ASHRAM	07-03-2011	67	608	0.54	0.09	88.17	N

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		GAUSHALA, BIDAJ							
107	SAG-BM-331	SABARMATI ASHRAM GAUSHALA, BIDAJ	21-01-2009	65	630	11.87	0.60	88.07	Y
108	SAG-BM-375	SABARMATI ASHRAM GAUSHALA, BIDAJ	30-08-2010	66	587	-5.14	-0.41	88.03	Y
109	SAG-BM-380	SABARMATI ASHRAM GAUSHALA, BIDAJ	10-12-2010	67	609	3.02	0.19	88.01	Y
110	ROH-RM-015	ROHTAK SEMEN STATION, ROHTAK	07-01-2011	67	585	-31.12	-1.88	87.99	Y
111	ROH-RM-004	ROHTAK SEMEN STATION, ROHTAK	09-09-2010	63	600	30.69	1.39	87.90	N
112	SAG-MR-10426	SABARMATI ASHRAM GAUSHALA, BIDAJ	08-07-2012	65	592	30.02	1.45	87.72	Y
113	ROH-RM-016	ROHTAK SEMEN STATION, ROHTAK	20-09-2010	62	596	25.47	1.19	87.71	N
114	SAG-BM-247	SABARMATI ASHRAM GAUSHALA, BIDAJ	18-05-2004	63	556	2.33	0.03	87.70	Y
115	SAG-MR-10430	SABARMATI ASHRAM GAUSHALA, BIDAJ	18-07-2012	64	571	-2.11	-0.26	87.70	N
116	SAG-MR-10410	SABARMATI ASHRAM GAUSHALA, BIDAJ	25-10-2011	63	591	-1.84	-0.10	87.57	N
117	SAG-MR-10428	SABARMATI ASHRAM GAUSHALA, BIDAJ	25-11-2011	58	525	2.02	0.15	87.52	Y
118	SAG-BM-396	SABARMATI ASHRAM GAUSHALA, BIDAJ	25-07-2011	62	574	13.31	0.55	87.50	Y
119	SAG-MR-10457	SABARMATI ASHRAM	02-12-2013	63	526	-11.52	-0.63	87.37	N

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		GAUSHALA, BIDAJ							
120	SAG-BM-352	SABARMATI ASHRAM GAUSHALA, BIDAJ	15-08-2010	57	509	-6.75	-0.41	87.33	Y
121	SAG-BM-406	SABARMATI ASHRAM GAUSHALA, BIDAJ	31-07-2012	59	520	-6.48	-0.30	87.29	Y
122	SAG-MR-10424	SABARMATI ASHRAM GAUSHALA, BIDAJ	03-09-2012	56	516	5.54	0.07	87.28	Y
123	SAG-BM-296	SABARMATI ASHRAM GAUSHALA, BIDAJ	17-11-2004	63	603	-14.36	-0.89	87.22	Y
124	SAG-BM-316	SABARMATI ASHRAM GAUSHALA, BIDAJ	02-01-2007	61	594	0.09	0.00	87.20	Y
125	ROH-RM-026	ROHTAK SEMEN STATION, ROHTAK	02-07-2010	61	538	-5.21	-0.15	87.18	N
126	SAG-MR-10417	SABARMATI ASHRAM GAUSHALA, BIDAJ	19-10-2012	58	522	-10.33	-0.33	87.16	Y
127	ROH-RM-032	ROHTAK SEMEN STATION, ROHTAK	01-11-2012	61	563	-4.56	-0.15	87.16	N
128	SAG-BM-245	SABARMATI ASHRAM GAUSHALA, BIDAJ	31-10-2002	55	511	13.02	0.48	87.05	Y
129	SAG-BM-388	SABARMATI ASHRAM GAUSHALA, BIDAJ	09-01-2011	61	575	25.58	1.17	87.00	Y
130	SAG-BM-312	SABARMATI ASHRAM GAUSHALA, BIDAJ	10-09-2007	57	546	-12.53	-0.70	86.95	Y
131	SAG-MR-10425	SABARMATI ASHRAM GAUSHALA, BIDAJ	09-03-2012	59	514	18.71	0.98	86.85	Y
132	SAG-MR-10438	SABARMATI ASHRAM	04-01-2014	60	534	0.20	0.05	86.83	Y



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		GAUSHALA, BIDAJ							
133	SAG-BM-243	SABARMATI ASHRAM GAUSHALA, BIDAJ	02-08-2003	57	531	15.58	0.91	86.77	Y
134	SAG-BM-401	SABARMATI ASHRAM GAUSHALA, BIDAJ	20-08-2011	57	539	7.44	0.32	86.76	N
135	SAG-BM-322	SABARMATI ASHRAM GAUSHALA, BIDAJ	01-03-2007	55	532	-6.98	-0.43	86.70	Y
136	SAG-MR-10432	SABARMATI ASHRAM GAUSHALA, BIDAJ	25-06-2013	54	494	-8.34	-0.64	86.62	Y
137	SAG-BM-224	SABARMATI ASHRAM GAUSHALA, BIDAJ	01-04-2001	57	513	-3.84	-0.07	86.60	Y
138	SAG-BM-356	SABARMATI ASHRAM GAUSHALA, BIDAJ	18-08-2010	56	541	-1.12	-0.16	86.53	Y
139	SAG-BM-281	SABARMATI ASHRAM GAUSHALA, BIDAJ	11-07-2005	57	565	-6.55	-0.62	86.51	Y
140	SAG-MR-10431	SABARMATI ASHRAM GAUSHALA, BIDAJ	08-08-2012	59	539	11.21	0.83	86.40	N
141	SAG-BM-290	SABARMATI ASHRAM GAUSHALA, BIDAJ	29-08-2004	53	536	-0.76	-0.02	86.38	Y
142	ROH-RM-027	ROHTAK SEMEN STATION, ROHTAK	04-09-2010	53	499	-13.45	-0.67	86.26	N
143	ROH-RM-017	ROHTAK SEMEN STATION, ROHTAK	14-10-2010	54	506	-14.24	-0.71	86.25	Y
144	SAG-MR-10420	SABARMATI ASHRAM GAUSHALA, BIDAJ	22-08-2012	55	505	16.38	0.79	86.25	N
145	SAG-BM-391	SABARMATI ASHRAM	08-08-2011	54	517	0.33	-0.28	86.24	Y

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	Genotype Status (Y/N)
		GAUSHALA, BIDAJ							
146	ROH-RM-031	ROHTAK SEMEN STATION, ROHTAK	10-10-2012	53	483	-10.73	-0.42	85.98	N
147	SAG-BM-231	SABARMATI ASHRAM GAUSHALA, BIDAJ	22-11-2002	50	474	8.85	0.34	85.92	Y
148	SAG-BM-258	SABARMATI ASHRAM GAUSHALA, BIDAJ	08-10-2003	46	411	0.15	-0.51	85.67	N
149	SAG-BM-399	SABARMATI ASHRAM GAUSHALA, BIDAJ	08-08-2011	49	407	-8.02	-0.61	85.63	Y
150	SAG-MR-10434	SABARMATI ASHRAM GAUSHALA, BIDAJ	12-11-2011	51	484	14.43	0.79	85.56	N
151	SAG-BM-288	SABARMATI ASHRAM GAUSHALA, BIDAJ	09-10-2005	50	488	1.78	0.14	85.51	Y
152	SAG-MR-10470	SABARMATI ASHRAM GAUSHALA, BIDAJ	15-10-2014	48	424	7.15	0.37	85.41	Y
153	SAG-BM-326	SABARMATI ASHRAM GAUSHALA, BIDAJ	25-12-2008	49	486	-10.99	-0.84	85.40	Y
154	SAG-BM-402	SABARMATI ASHRAM GAUSHALA, BIDAJ	06-09-2011	47	421	6.09	0.39	85.17	N
155	ROH-RM-008	ROHTAK SEMEN STATION, ROHTAK	02-10-2010	41	382	-19.16	-0.99	85.17	N
156	SAG-BM-278	SABARMATI ASHRAM GAUSHALA, BIDAJ	15-08-2005	48	480	-9.95	-0.55	85.10	Y
157	SAG-MR-10466	SABARMATI ASHRAM GAUSHALA, BIDAJ	23-08-2014	50	445	0.74	0.06	84.99	Y
158	SAG-MR-10418	SABARMATI ASHRAM	19-12-2012	48	432	15.16	0.90	84.95	N

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	Genotype Status (Y/N)
		GAUSHALA, BIDAJ							
159	SAG-MR-10421	SABARMATI ASHRAM GAUSHALA, BIDAJ	28-09-2012	50	448	-5.50	-0.14	84.94	Y
160	SAG-BM-409	SABARMATI ASHRAM GAUSHALA, BIDAJ	20-12-2011	46	428	9.58	0.38	84.35	N
161	SAG-MR-10440	SABARMATI ASHRAM GAUSHALA, BIDAJ	15-09-2013	47	373	-8.85	-0.46	84.20	Y
162	ABC-SM-740	ANIMAL BREEDING CENTRE, SALON	17-08-2013	44	400	-8.04	-0.37	83.90	N
163	SAG-BM-403	SABARMATI ASHRAM GAUSHALA, BIDAJ	10-01-2011	45	380	-8.62	-0.73	83.75	N
164	SAG-MR-10459	SABARMATI ASHRAM GAUSHALA, BIDAJ	25-06-2014	43	383	4.45	0.37	83.57	Y
165	SAG-BM-306	SABARMATI ASHRAM GAUSHALA, BIDAJ	29-06-2003	42	423	9.29	0.55	83.32	Y
166	SAG-MR-10442	SABARMATI ASHRAM GAUSHALA, BIDAJ	21-01-2012	42	363	-6.37	-0.52	83.26	N
167	SAG-MR-10441	SABARMATI ASHRAM GAUSHALA, BIDAJ	05-09-2012	40	357	11.60	0.71	82.79	Y
168	SAG-MR-10450	SABARMATI ASHRAM GAUSHALA, BIDAJ	05-12-2013	38	353	25.81	1.01	82.40	Y
169	SAG-MR-10439	SABARMATI ASHRAM GAUSHALA, BIDAJ	31-01-2014	36	307	4.69	0.17	82.37	Y
170	SAG-MR-10467	SABARMATI ASHRAM GAUSHALA, BIDAJ	08-08-2014	36	286	14.50	0.79	82.36	Y
171	SAG-HEERA	SABARMATI ASHRAM	09-09-2012	38	355	9.81	0.40	81.99	N

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	Genotype Status (Y/N)
		GAUSHALA, BIDAJ							
172	SAG-MR-10475	SABARMATI ASHRAM GAUSHALA, BIDAJ	30-09-2014	32	274	-1.78	-0.40	81.08	Y
173	SAG-MR-10449	SABARMATI ASHRAM GAUSHALA, BIDAJ	09-10-2013	34	307	6.36	0.30	80.97	Y
174	SAG-MR-10476	SABARMATI ASHRAM GAUSHALA, BIDAJ	07-09-2014	31	265	15.40	1.05	80.92	Y
175	SAG-MR-10471	SABARMATI ASHRAM GAUSHALA, BIDAJ	11-02-2015	34	297	4.17	0.13	80.77	Y
176	SAG-MR-10429	SABARMATI ASHRAM GAUSHALA, BIDAJ	20-08-2012	31	266	-0.51	0.15	80.76	Y
177	SAG-MR-10427	SABARMATI ASHRAM GAUSHALA, BIDAJ	08-01-2012	29	267	-11.48	-0.84	79.66	Y
178	SAG-MR-10448	SABARMATI ASHRAM GAUSHALA, BIDAJ	28-09-2013	28	238	23.90	1.10	79.52	N
179	SAG-MR-10437	SABARMATI ASHRAM GAUSHALA, BIDAJ	01-08-2014	30	282	22.36	1.28	79.37	Y
180	SAG-BM-279	SABARMATI ASHRAM GAUSHALA, BIDAJ	17-09-2004	24	245	13.87	0.70	78.63	N
181	SAG-MR-10479	SABARMATI ASHRAM GAUSHALA, BIDAJ	13-10-2014	27	244	13.94	0.81	78.09	Y
182	SAG-BM-136	SABARMATI ASHRAM GAUSHALA, BIDAJ	20-06-1996	24	229	38.66	1.23	78.06	Y
183	SAG-MR-10464	SABARMATI ASHRAM GAUSHALA, BIDAJ	12-09-2014	28	220	-14.41	-1.03	76.80	Y
184	SAG-BM-185	SABARMATI ASHRAM	31-05-2001	16	138	-5.39	0.10	73.68	N

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	Genotype Status (Y/N)
		GAUSHALA, BIDAJ							
185	SAG-BM-228	SABARMATI ASHRAM GAUSHALA, BIDAJ	02-09-2002	16	143	40.50	1.75	72.82	Y
186	SAG-MR-10518	SABARMATI ASHRAM GAUSHALA, BIDAJ	22-07-2014	17	137	16.50	1.21	72.48	Y
187	SAG-BM-227	SABARMATI ASHRAM GAUSHALA, BIDAJ	11-11-2001	13	110	-4.71	0.62	72.21	Y
188	SAG-BM-233	SABARMATI ASHRAM GAUSHALA, BIDAJ	09-10-2002	14	114	-4.61	0.07	71.89	Y
189	SAG-MR-10469	SABARMATI ASHRAM GAUSHALA, BIDAJ	03-08-2014	14	111	17.46	0.93	70.91	Y
190	SAG-MR-10481	SABARMATI ASHRAM GAUSHALA, BIDAJ	01-11-2014	14	100	25.36	1.68	70.14	Y

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

**Species: Buffalo**

**Breed: Murrah**

**Date of estimation: 29 December 2023**

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 (%)	Genotype Status (Y/N)
1	SAG-BM-297	SABARMATI ASHRAM GAUSHALA, BIDAJ	13-04-2006	123	1229	7.86	0.23	92.21	Y
2	SAG-BM-277	SABARMATI ASHRAM GAUSHALA, BIDAJ	15-01-2005	91	877	-1.87	-0.06	91.75	N
3	ROH-RM-010	ROHTAK SEMEN STATION, ROHTAK	16-10-2010	102	993	0.07	0.03	91.68	N
4	SAG-BM-339	SABARMATI ASHRAM	14-02-2009	102	948	-2.93	-0.05	91.58	N

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 (%)	Genotype Status (Y/N)
		GAUSHALA, BIDAJ							
5	SAG-BM-274	SABARMATI ASHRAM GAUSHALA, BIDAJ	28-03-2005	112	1098	2.00	0.02	91.56	Y
6	SAG-BM-378	SABARMATI ASHRAM GAUSHALA, BIDAJ	21-10-2011	110	1057	0.70	0.03	91.47	Y
7	SAG-BM-304	SABARMATI ASHRAM GAUSHALA, BIDAJ	28-03-2007	113	1063	-3.99	-0.14	91.47	Y
8	SAG-BM-273	SABARMATI ASHRAM GAUSHALA, BIDAJ	25-08-2004	103	1049	1.66	0.09	91.32	Y
9	SAG-BM-390	SABARMATI ASHRAM GAUSHALA, BIDAJ	05-08-2011	73	644	3.54	0.03	91.02	Y
10	SAG-BM-370	SABARMATI ASHRAM GAUSHALA, BIDAJ	06-12-2010	101	950	-6.52	-0.16	91.00	N
11	SAG-BM-349	SABARMATI ASHRAM GAUSHALA, BIDAJ	07-08-2009	103	962	2.88	0.06	90.99	Y
12	SAG-BM-266	SABARMATI ASHRAM GAUSHALA, BIDAJ	17-09-2004	106	1021	-1.81	0.01	90.98	Y
13	SAG-BM-392	SABARMATI ASHRAM GAUSHALA, BIDAJ	01-08-2011	69	662	8.36	0.16	90.87	Y
14	SAG-BM-294	SABARMATI ASHRAM GAUSHALA, BIDAJ	25-10-2005	104	1043	-4.35	-0.05	90.87	Y
15	SAG-BM-221	SABARMATI ASHRAM GAUSHALA, BIDAJ	09-09-2002	89	801	-3.84	-0.03	90.81	N
16	SAG-BM-358	SABARMATI ASHRAM GAUSHALA, BIDAJ	28-08-2010	104	1016	-4.01	-0.14	90.78	Y
17	SAG-BM-347	SABARMATI ASHRAM	09-10-2009	91	875	3.09	0.18	90.76	Y

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 (%)	Genotype Status (Y/N)
		GAUSHALA, BIDAJ							
18	SAG-BM-305	SABARMATI ASHRAM GAUSHALA, BIDAJ	01-09-2006	101	983	0.23	0.03	90.65	Y
19	SAG-BM-303	SABARMATI ASHRAM GAUSHALA, BIDAJ	15-01-2007	95	952	5.00	0.11	90.57	Y
20	SAG-BM-251	SABARMATI ASHRAM GAUSHALA, BIDAJ	12-09-2004	96	954	3.94	0.13	90.48	Y
21	SAG-BM-307	SABARMATI ASHRAM GAUSHALA, BIDAJ	25-12-2007	95	963	9.27	0.25	90.39	Y
22	SAG-BM-263	SABARMATI ASHRAM GAUSHALA, BIDAJ	17-01-2006	96	927	-6.41	-0.30	90.39	Y
23	SAG-BM-333	SABARMATI ASHRAM GAUSHALA, BIDAJ	03-06-2008	95	931	7.64	0.13	90.38	Y
24	SAG-BM-248	SABARMATI ASHRAM GAUSHALA, BIDAJ	22-09-2004	97	904	10.39	0.28	90.34	Y
25	ROH-RM-013	ROHTAK SEMEN STATION, ROHTAK	20-08-2010	77	725	3.56	0.15	90.31	N
26	SAG-BM-292	SABARMATI ASHRAM GAUSHALA, BIDAJ	08-09-2005	95	927	2.82	0.08	90.22	Y
27	SAG-BM-394	SABARMATI ASHRAM GAUSHALA, BIDAJ	05-03-2011	94	866	-1.51	-0.02	90.10	Y
28	SAG-BM-395	SABARMATI ASHRAM GAUSHALA, BIDAJ	20-05-2011	91	840	-5.42	-0.04	90.08	Y
29	SAG-BM-236	SABARMATI ASHRAM GAUSHALA, BIDAJ	08-08-2003	83	705	8.19	0.18	90.08	N
30	SAG-BM-293	SABARMATI ASHRAM	18-11-2005	91	889	5.03	0.09	90.06	Y

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 (%)	Genotype Status (Y/N)
		GAUSHALA, BIDAJ							
31	SAG-BM-357	SABARMATI ASHRAM GAUSHALA, BIDAJ	17-09-2009	88	835	-3.60	-0.12	90.06	Y
32	SAG-BM-295	SABARMATI ASHRAM GAUSHALA, BIDAJ	17-10-2005	94	898	-1.90	0.01	89.96	Y
33	SAG-BM-359	SABARMATI ASHRAM GAUSHALA, BIDAJ	18-11-2010	91	843	-5.07	-0.05	89.95	Y
34	SAG-BM-275	SABARMATI ASHRAM GAUSHALA, BIDAJ	05-01-2006	93	895	-3.04	-0.07	89.83	Y
35	SAG-BM-379	SABARMATI ASHRAM GAUSHALA, BIDAJ	13-11-2010	89	809	-5.36	-0.16	89.82	Y
36	SAG-BM-342	SABARMATI ASHRAM GAUSHALA, BIDAJ	09-11-2009	87	813	3.94	0.09	89.80	Y
37	ROH-RM-001	ROHTAK SEMEN STATION, ROHTAK	31-05-2010	90	858	4.18	0.08	89.79	N
38	SAG-BM-317	SABARMATI ASHRAM GAUSHALA, BIDAJ	29-09-2007	74	716	2.73	0.08	89.79	N
39	SAG-BM-335	SABARMATI ASHRAM GAUSHALA, BIDAJ	03-10-2008	88	841	0.64	-0.06	89.75	Y
40	SAG-BM-271	SABARMATI ASHRAM GAUSHALA, BIDAJ	29-08-2004	88	879	6.09	0.23	89.69	Y
41	SAG-BM-289	SABARMATI ASHRAM GAUSHALA, BIDAJ	01-11-2005	87	848	-2.85	-0.10	89.68	Y
42	SAG-BM-372	SABARMATI ASHRAM GAUSHALA, BIDAJ	03-11-2010	90	861	1.53	0.05	89.66	Y
43	SAG-BM-398	SABARMATI ASHRAM	15-11-2011	90	799	2.91	0.12	89.54	Y



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		GAUSHALA, BIDAJ							
44	SAG-BM-260	SABARMATI ASHRAM GAUSHALA, BIDAJ	01-12-2004	86	779	12.72	0.20	89.43	Y
45	SAG-BM-354	SABARMATI ASHRAM GAUSHALA, BIDAJ	04-07-2010	78	752	0.00	-0.03	89.39	N
46	SAG-BM-408	SABARMATI ASHRAM GAUSHALA, BIDAJ	05-01-2011	93	806	-0.69	0.02	89.37	N
47	SAG-BM-343	SABARMATI ASHRAM GAUSHALA, BIDAJ	26-01-2009	89	850	-4.54	-0.10	89.26	Y
48	ROH-RM-019	ROHTAK SEMEN STATION, ROHTAK	24-09-2010	84	805	1.55	0.10	89.24	N
49	SAG-BM-362	SABARMATI ASHRAM GAUSHALA, BIDAJ	26-08-2010	80	762	4.65	0.05	89.17	Y
50	ROH-RM-020	ROHTAK SEMEN STATION, ROHTAK	15-11-2010	79	761	-2.41	-0.02	89.16	N
51	ROH-RM-009	ROHTAK SEMEN STATION, ROHTAK	08-11-2010	85	785	-3.53	-0.08	89.14	N
52	SAG-BM-368	SABARMATI ASHRAM GAUSHALA, BIDAJ	20-10-2010	82	779	0.26	0.01	89.11	Y
53	SAG-BM-298	SABARMATI ASHRAM GAUSHALA, BIDAJ	04-03-2006	79	777	-2.70	0.00	88.98	Y
54	ROH-RM-012	ROHTAK SEMEN STATION, ROHTAK	16-12-2010	79	741	-6.15	-0.08	88.95	N
55	SAG-BM-225	SABARMATI ASHRAM GAUSHALA, BIDAJ	28-01-2001	78	694	4.21	0.05	88.86	Y
56	SAG-BM-346	SABARMATI ASHRAM	09-11-2008	80	734	-4.00	-0.16	88.78	Y

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 (%)	Genotype Status (Y/N)
		GAUSHALA, BIDAJ							
57	SAG-BM-242	SABARMATI ASHRAM GAUSHALA, BIDAJ	18-08-2003	78	781	5.45	0.18	88.78	Y
58	SAG-MR-10411	SABARMATI ASHRAM GAUSHALA, BIDAJ	08-07-2011	80	716	-1.08	-0.08	88.76	N
59	SAG-BM-308	SABARMATI ASHRAM GAUSHALA, BIDAJ	11-08-2007	79	738	-1.62	-0.05	88.74	Y
60	SAG-BM-377	SABARMATI ASHRAM GAUSHALA, BIDAJ	21-10-2011	76	712	1.96	0.06	88.73	N
61	SAG-BM-353	SABARMATI ASHRAM GAUSHALA, BIDAJ	01-10-2010	81	757	-1.61	0.00	88.73	Y
62	ROH-RM-005	ROHTAK SEMEN STATION, ROHTAK	29-09-2010	78	760	3.05	0.19	88.49	N
63	SAG-BM-270	SABARMATI ASHRAM GAUSHALA, BIDAJ	01-09-2004	78	737	-1.33	-0.11	88.48	Y
64	SAG-MR-10416	SABARMATI ASHRAM GAUSHALA, BIDAJ	23-12-2011	79	715	-0.58	-0.19	88.47	N
65	SAG-BM-268	SABARMATI ASHRAM GAUSHALA, BIDAJ	09-10-2004	76	741	0.50	0.09	88.39	Y
66	ROH-RM-007	ROHTAK SEMEN STATION, ROHTAK	14-08-2010	76	753	5.07	0.19	88.37	N
67	ROH-RM-003	ROHTAK SEMEN STATION, ROHTAK	08-08-2010	78	749	0.98	-0.08	88.37	N
68	SAG-BM-332	SABARMATI ASHRAM GAUSHALA, BIDAJ	12-01-2008	79	758	-9.13	-0.28	88.36	Y
69	SAG-BM-252	SABARMATI ASHRAM	24-11-2004	73	624	2.73	0.04	88.32	Y

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 (%)	Genotype Status (Y/N)
		GAUSHALA, BIDAJ							
70	SAG-BM-223	SABARMATI ASHRAM GAUSHALA, BIDAJ	20-07-2001	70	594	0.16	-0.03	88.32	Y
71	ROH-RM-030	ROHTAK SEMEN STATION, ROHTAK	02-12-2010	77	706	1.22	0.04	88.29	N
72	SAG-BM-386	SABARMATI ASHRAM GAUSHALA, BIDAJ	09-01-2011	76	710	-6.97	-0.19	88.13	N
73	SAG-BM-367	SABARMATI ASHRAM GAUSHALA, BIDAJ	06-10-2010	76	696	-10.97	-0.20	88.09	N
74	SAG-BM-299	SABARMATI ASHRAM GAUSHALA, BIDAJ	02-01-2006	67	648	-2.85	-0.10	88.06	Y
75	SAG-BM-374	SABARMATI ASHRAM GAUSHALA, BIDAJ	20-05-2011	71	637	-1.88	0.05	88.04	Y
76	SAG-BM-311	SABARMATI ASHRAM GAUSHALA, BIDAJ	30-07-2006	72	685	1.12	0.05	88.02	Y
77	ROH-RM-018	ROHTAK SEMEN STATION, ROHTAK	27-01-2011	65	597	-7.71	-0.22	87.98	N
78	SAG-MR-10415	SABARMATI ASHRAM GAUSHALA, BIDAJ	18-09-2012	75	657	2.00	0.00	87.93	N
79	SAG-BM-385	SABARMATI ASHRAM GAUSHALA, BIDAJ	08-06-2011	75	711	-3.64	-0.10	87.93	Y
80	SAG-BM-369	SABARMATI ASHRAM GAUSHALA, BIDAJ	20-09-2010	73	688	4.14	0.07	87.90	Y
81	SAG-BM-318	SABARMATI ASHRAM GAUSHALA, BIDAJ	05-01-2008	77	755	-4.83	-0.08	87.89	Y
82	SAG-BM-241	SABARMATI ASHRAM	28-10-2002	72	666	14.99	0.26	87.88	Y

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 (%)	Genotype Status (Y/N)
		GAUSHALA, BIDAJ							
83	SAG-BM-371	SABARMATI ASHRAM GAUSHALA, BIDAJ	08-10-2010	76	656	-13.29	-0.42	87.80	Y
84	SAG-BM-262	SABARMATI ASHRAM GAUSHALA, BIDAJ	10-09-2005	72	674	2.33	0.02	87.80	Y
85	ROH-RM-024	ROHTAK SEMEN STATION, ROHTAK	10-09-2010	72	688	-0.22	0.10	87.76	N
86	SAG-BM-381	SABARMATI ASHRAM GAUSHALA, BIDAJ	14-10-2010	73	662	9.56	0.31	87.74	Y
87	SAG-BM-393	SABARMATI ASHRAM GAUSHALA, BIDAJ	04-09-2011	73	666	-6.89	-0.32	87.74	Y
88	SAG-BM-397	SABARMATI ASHRAM GAUSHALA, BIDAJ	20-01-2011	70	653	-0.98	0.06	87.73	Y
89	SAG-BM-310	SABARMATI ASHRAM GAUSHALA, BIDAJ	15-09-2007	67	623	0.61	0.04	87.67	Y
90	SAG-BM-315	SABARMATI ASHRAM GAUSHALA, BIDAJ	21-12-2007	68	643	-3.26	-0.22	87.63	Y
91	SAG-BM-272	SABARMATI ASHRAM GAUSHALA, BIDAJ	02-10-2004	68	653	8.98	0.09	87.62	Y
92	SAG-BM-287	SABARMATI ASHRAM GAUSHALA, BIDAJ	18-01-2006	69	659	-5.46	-0.11	87.52	Y
93	SAG-BM-373	SABARMATI ASHRAM GAUSHALA, BIDAJ	06-07-2010	69	660	1.40	0.07	87.40	Y
94	SAG-BM-319	SABARMATI ASHRAM GAUSHALA, BIDAJ	16-09-2007	66	627	1.40	0.06	87.39	Y
95	SAG-BM-255	SABARMATI ASHRAM	17-10-2004	67	646	-0.93	-0.06	87.37	Y

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 (%)	Genotype Status (Y/N)
		GAUSHALA, BIDAJ							
96	SAG-MR-10435	SABARMATI ASHRAM GAUSHALA, BIDAJ	13-07-2013	65	600	7.70	0.13	87.34	Y
97	SAG-BM-267	SABARMATI ASHRAM GAUSHALA, BIDAJ	12-09-2004	67	598	-9.12	-0.41	87.30	N
98	SAG-BM-376	SABARMATI ASHRAM GAUSHALA, BIDAJ	08-10-2010	68	652	10.24	0.27	87.27	N
99	ROH-RM-006	ROHTAK SEMEN STATION, ROHTAK	25-08-2010	64	585	-5.73	-0.15	87.26	N
100	SAG-BM-329	SABARMATI ASHRAM GAUSHALA, BIDAJ	29-12-2008	68	678	-3.64	-0.13	87.25	Y
101	SAG-BM-226	SABARMATI ASHRAM GAUSHALA, BIDAJ	17-12-2001	63	551	1.27	0.09	87.21	Y
102	SAG-BM-264	SABARMATI ASHRAM GAUSHALA, BIDAJ	10-05-2005	69	605	2.75	0.03	87.19	Y
103	SAG-BM-246	SABARMATI ASHRAM GAUSHALA, BIDAJ	01-09-2003	62	576	12.84	0.07	87.18	Y
104	SAG-BM-363	SABARMATI ASHRAM GAUSHALA, BIDAJ	14-11-2010	69	637	-2.23	-0.01	87.10	Y
105	SAG-BM-400	SABARMATI ASHRAM GAUSHALA, BIDAJ	15-07-2011	64	580	-10.23	-0.43	87.02	N
106	SAG-MR-10423	SABARMATI ASHRAM GAUSHALA, BIDAJ	07-03-2011	67	608	0.98	-0.02	86.92	N
107	SAG-BM-331	SABARMATI ASHRAM GAUSHALA, BIDAJ	21-01-2009	65	630	3.40	0.17	86.89	Y
108	SAG-BM-375	SABARMATI ASHRAM	30-08-2010	66	587	-2.67	-0.05	86.81	Y

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 (%)	Genotype Status (Y/N)
		GAUSHALA, BIDAJ							
109	SAG-BM-380	SABARMATI ASHRAM GAUSHALA, BIDAJ	10-12-2010	67	609	1.50	0.02	86.78	Y
110	ROH-RM-015	ROHTAK SEMEN STATION, ROHTAK	07-01-2011	67	585	-11.26	-0.38	86.75	Y
111	ROH-RM-004	ROHTAK SEMEN STATION, ROHTAK	09-09-2010	63	600	12.05	0.24	86.71	N
112	ROH-RM-016	ROHTAK SEMEN STATION, ROHTAK	20-09-2010	62	597	8.93	0.26	86.45	N
113	SAG-MR-10426	SABARMATI ASHRAM GAUSHALA, BIDAJ	08-07-2012	65	592	11.33	0.29	86.45	Y
114	SAG-BM-247	SABARMATI ASHRAM GAUSHALA, BIDAJ	18-05-2004	63	556	0.71	0.01	86.44	Y
115	SAG-MR-10430	SABARMATI ASHRAM GAUSHALA, BIDAJ	18-07-2012	64	573	-0.90	-0.06	86.42	N
116	SAG-MR-10410	SABARMATI ASHRAM GAUSHALA, BIDAJ	25-10-2011	63	594	-1.26	0.01	86.28	N
117	SAG-MR-10428	SABARMATI ASHRAM GAUSHALA, BIDAJ	25-11-2011	58	525	1.24	0.01	86.25	Y
118	SAG-BM-396	SABARMATI ASHRAM GAUSHALA, BIDAJ	25-07-2011	62	574	5.36	0.08	86.24	Y
119	SAG-BM-352	SABARMATI ASHRAM GAUSHALA, BIDAJ	15-08-2010	57	509	-2.78	-0.07	86.07	Y
120	SAG-MR-10457	SABARMATI ASHRAM GAUSHALA, BIDAJ	02-12-2013	63	526	-6.11	-0.01	86.06	N
121	SAG-MR-10424	SABARMATI ASHRAM	03-09-2012	56	518	2.55	-0.03	86.03	Y

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 (%)	Genotype Status (Y/N)
		GAUSHALA, BIDAJ							
122	SAG-BM-406	SABARMATI ASHRAM GAUSHALA, BIDAJ	31-07-2012	59	523	-2.35	-0.06	86.02	Y
123	SAG-BM-296	SABARMATI ASHRAM GAUSHALA, BIDAJ	17-11-2004	63	603	-5.40	-0.18	85.94	Y
124	SAG-BM-316	SABARMATI ASHRAM GAUSHALA, BIDAJ	02-01-2007	61	594	-0.88	0.05	85.91	Y
125	SAG-MR-10417	SABARMATI ASHRAM GAUSHALA, BIDAJ	19-10-2012	58	522	-3.72	-0.05	85.88	Y
126	ROH-RM-026	ROHTAK SEMEN STATION, ROHTAK	02-07-2010	61	539	-2.02	-0.01	85.86	N
127	SAG-BM-245	SABARMATI ASHRAM GAUSHALA, BIDAJ	31-10-2002	55	511	4.57	0.09	85.84	Y
128	ROH-RM-032	ROHTAK SEMEN STATION, ROHTAK	01-11-2012	61	563	-2.78	0.04	85.83	N
129	SAG-BM-388	SABARMATI ASHRAM GAUSHALA, BIDAJ	09-01-2011	61	575	9.14	0.25	85.67	Y
130	SAG-BM-312	SABARMATI ASHRAM GAUSHALA, BIDAJ	10-09-2007	57	546	-4.43	-0.15	85.65	Y
131	SAG-MR-10425	SABARMATI ASHRAM GAUSHALA, BIDAJ	09-03-2012	59	514	6.81	0.21	85.50	Y
132	SAG-MR-10438	SABARMATI ASHRAM GAUSHALA, BIDAJ	04-01-2014	60	537	-0.33	0.04	85.48	Y
133	SAG-BM-243	SABARMATI ASHRAM GAUSHALA, BIDAJ	02-08-2003	57	531	6.46	0.16	85.43	Y
134	SAG-BM-401	SABARMATI ASHRAM	20-08-2011	57	539	1.73	0.12	85.42	N

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 (%)	Genotype Status (Y/N)
		GAUSHALA, BIDAJ							
135	SAG-BM-322	SABARMATI ASHRAM GAUSHALA, BIDAJ	01-03-2007	55	532	-2.31	-0.11	85.39	Y
136	SAG-BM-224	SABARMATI ASHRAM GAUSHALA, BIDAJ	01-04-2001	57	513	0.37	-0.11	85.25	Y
137	SAG-MR-10432	SABARMATI ASHRAM GAUSHALA, BIDAJ	25-06-2013	54	494	-4.08	-0.08	85.24	Y
138	SAG-BM-281	SABARMATI ASHRAM GAUSHALA, BIDAJ	11-07-2005	57	565	-3.15	-0.10	85.18	Y
139	SAG-BM-356	SABARMATI ASHRAM GAUSHALA, BIDAJ	18-08-2010	56	541	0.44	-0.09	85.17	Y
140	SAG-BM-290	SABARMATI ASHRAM GAUSHALA, BIDAJ	29-08-2004	53	536	0.39	-0.04	85.03	Y
141	SAG-MR-10431	SABARMATI ASHRAM GAUSHALA, BIDAJ	08-08-2012	59	540	3.14	0.25	84.99	N
142	ROH-RM-027	ROHTAK SEMEN STATION, ROHTAK	04-09-2010	53	499	-4.86	-0.13	84.92	N
143	ROH-RM-017	ROHTAK SEMEN STATION, ROHTAK	14-10-2010	54	506	-4.92	-0.15	84.87	Y
144	SAG-MR-10420	SABARMATI ASHRAM GAUSHALA, BIDAJ	22-08-2012	55	505	6.17	0.15	84.85	N
145	SAG-BM-391	SABARMATI ASHRAM GAUSHALA, BIDAJ	08-08-2011	54	518	1.04	-0.14	84.85	Y
146	ROH-RM-031	ROHTAK SEMEN STATION, ROHTAK	10-10-2012	53	484	-4.67	-0.02	84.56	N
147	SAG-BM-231	SABARMATI ASHRAM	22-11-2002	50	474	3.50	0.05	84.54	Y



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 (%)	Genotype Status (Y/N)
		GAUSHALA, BIDAJ							
148	SAG-BM-258	SABARMATI ASHRAM GAUSHALA, BIDAJ	08-10-2003	46	411	-0.35	-0.12	84.32	N
149	SAG-BM-399	SABARMATI ASHRAM GAUSHALA, BIDAJ	08-08-2011	49	410	-1.97	-0.20	84.20	Y
150	SAG-MR-10434	SABARMATI ASHRAM GAUSHALA, BIDAJ	12-11-2011	51	485	5.46	0.16	84.09	N
151	SAG-BM-288	SABARMATI ASHRAM GAUSHALA, BIDAJ	09-10-2005	50	488	0.24	0.06	84.08	Y
152	SAG-BM-326	SABARMATI ASHRAM GAUSHALA, BIDAJ	25-12-2008	49	486	-4.16	-0.18	83.97	Y
153	SAG-MR-10470	SABARMATI ASHRAM GAUSHALA, BIDAJ	15-10-2014	48	424	1.97	0.11	83.94	Y
154	ROH-RM-008	ROHTAK SEMEN STATION, ROHTAK	02-10-2010	41	382	-7.42	-0.16	83.88	N
155	SAG-BM-402	SABARMATI ASHRAM GAUSHALA, BIDAJ	06-09-2011	47	421	2.40	0.08	83.72	N
156	SAG-BM-278	SABARMATI ASHRAM GAUSHALA, BIDAJ	15-08-2005	48	480	-4.29	-0.07	83.64	Y
157	SAG-MR-10418	SABARMATI ASHRAM GAUSHALA, BIDAJ	19-12-2012	48	432	4.75	0.24	83.46	N
158	SAG-MR-10466	SABARMATI ASHRAM GAUSHALA, BIDAJ	23-08-2014	50	445	-2.26	0.16	83.45	Y
159	SAG-MR-10421	SABARMATI ASHRAM GAUSHALA, BIDAJ	28-09-2012	50	448	-2.20	0.00	83.43	Y
160	SAG-BM-409	SABARMATI ASHRAM	20-12-2011	46	428	3.96	0.04	82.79	N

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 (%)	Genotype Status (Y/N)
		GAUSHALA, BIDAJ							
161	SAG-MR-10440	SABARMATI ASHRAM GAUSHALA, BIDAJ	15-09-2013	47	373	-3.87	-0.05	82.54	Y
162	ABC-SM-740	ANIMAL BREEDING CENTRE, SALON	17-08-2013	44	400	-3.85	-0.01	82.31	N
163	SAG-BM-403	SABARMATI ASHRAM GAUSHALA, BIDAJ	10-01-2011	45	380	-2.45	-0.21	82.12	N
164	SAG-MR-10459	SABARMATI ASHRAM GAUSHALA, BIDAJ	25-06-2014	43	383	0.36	0.16	81.89	Y
165	SAG-BM-306	SABARMATI ASHRAM GAUSHALA, BIDAJ	29-06-2003	42	423	4.01	0.09	81.69	Y
166	SAG-MR-10442	SABARMATI ASHRAM GAUSHALA, BIDAJ	21-01-2012	42	364	-2.74	-0.10	81.58	N
167	SAG-MR-10441	SABARMATI ASHRAM GAUSHALA, BIDAJ	05-09-2012	40	357	2.99	0.22	81.10	Y
168	SAG-MR-10439	SABARMATI ASHRAM GAUSHALA, BIDAJ	31-01-2014	36	308	1.21	0.06	80.66	Y
169	SAG-MR-10467	SABARMATI ASHRAM GAUSHALA, BIDAJ	08-08-2014	36	286	4.18	0.23	80.64	Y
170	SAG-MR-10450	SABARMATI ASHRAM GAUSHALA, BIDAJ	05-12-2013	38	353	7.69	0.28	80.64	Y
171	SAG-HEERA	SABARMATI ASHRAM GAUSHALA, BIDAJ	09-09-2012	38	356	2.01	0.16	80.18	N
172	SAG-MR-10475	SABARMATI ASHRAM GAUSHALA, BIDAJ	30-09-2014	32	276	0.15	-0.16	79.41	Y
173	SAG-MR-10476	SABARMATI ASHRAM	07-09-2014	31	265	4.05	0.33	79.17	Y

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 (%)	Genotype Status (Y/N)
		GAUSHALA, BIDAJ							
174	SAG-MR-10449	SABARMATI ASHRAM GAUSHALA, BIDAJ	09-10-2013	34	308	1.41	0.11	79.13	Y
175	SAG-MR-10429	SABARMATI ASHRAM GAUSHALA, BIDAJ	20-08-2012	31	266	-1.23	0.11	78.98	Y
176	SAG-MR-10471	SABARMATI ASHRAM GAUSHALA, BIDAJ	11-02-2015	34	297	1.02	0.05	78.89	Y
177	SAG-MR-10427	SABARMATI ASHRAM GAUSHALA, BIDAJ	08-01-2012	29	268	-4.09	-0.19	77.80	Y
178	SAG-MR-10448	SABARMATI ASHRAM GAUSHALA, BIDAJ	28-09-2013	28	238	9.74	0.17	77.71	N
179	SAG-MR-10437	SABARMATI ASHRAM GAUSHALA, BIDAJ	01-08-2014	30	282	8.60	0.26	77.45	Y
180	SAG-BM-279	SABARMATI ASHRAM GAUSHALA, BIDAJ	17-09-2004	24	245	3.80	0.21	76.99	N
181	SAG-BM-136	SABARMATI ASHRAM GAUSHALA, BIDAJ	20-06-1996	24	229	13.67	0.23	76.17	Y
182	SAG-MR-10479	SABARMATI ASHRAM GAUSHALA, BIDAJ	13-10-2014	27	244	3.90	0.24	76.11	Y
183	SAG-MR-10464	SABARMATI ASHRAM GAUSHALA, BIDAJ	12-09-2014	28	220	-8.48	-0.02	74.59	Y
184	SAG-BM-185	SABARMATI ASHRAM GAUSHALA, BIDAJ	31-05-2001	16	138	5.38	-0.38	71.91	N
185	SAG-BM-228	SABARMATI ASHRAM GAUSHALA, BIDAJ	02-09-2002	16	143	14.18	0.39	70.63	Y
186	SAG-MR-10518	SABARMATI ASHRAM	22-07-2014	17	137	5.18	0.33	70.42	Y

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 (%)	Genotype Status (Y/N)
		GAUSHALA, BIDAJ							

**Trait: 305 Age at First Calving (AFC)**

**Species: Buffalo**

**Breed: Murrah**

**Date of estimation: 29 December 2023**

S. No.	Bull id	Semen station	DOB	No. of daughters used for analysis	GBV (days open)	REL (%)
1	SAG-BM-277	Sabarmati Ashram Gaushala, Bidaj	15-01-2005	202	-0.951	59%
2	SAG-BM-221	Sabarmati Ashram Gaushala, Bidaj	09-09-2002	189	-1.381	52%
3	SAG-BM-317	Sabarmati Ashram Gaushala, Bidaj	29-09-2007	209	-0.158	51%
4	SAG-BM-287	Sabarmati Ashram Gaushala, Bidaj	18-01-2006	191	0.329	48%
5	ROH-RM-013	Rohtak Semen Station, Rohtak	20-08-2010	208	0.262	45%
6	ROH-RM-003	Rohtak Semen Station, Rohtak	08-08-2010	193	-0.022	38%
7	SAG-BM-339	Sabarmati Ashram Gaushala, Bidaj	14-02-2009	189	-0.108	38%
8	SAG-BM-354	Sabarmati Ashram Gaushala, Bidaj	04-07-2010	184	-0.232	34%
9	SAG-BM-279	Sabarmati Ashram Gaushala, Bidaj	17-09-2004	198	0.187	34%
10	SAG-BM-131	Sabarmati Ashram Gaushala, Bidaj	22-07-1996	206	15.151	33%
11	SAG-BM-370	Sabarmati Ashram Gaushala, Bidaj	06-12-2010	201	-1.284	33%
12	SAG-BM-236	Sabarmati Ashram Gaushala, Bidaj	08-08-2003	190	-0.689	29%
13	SAG-BM-258	Sabarmati Ashram Gaushala, Bidaj	08-10-2003	189	-2.078	29%
14	SAG-BM-132	Sabarmati Ashram Gaushala, Bidaj	24-08-1996	183	-8.839	29%
15	ROH-RM-010	Rohtak Semen Station, Rohtak	16-10-2010	182	-0.683	29%
16	SAG-BM-136	Sabarmati Ashram Gaushala, Bidaj	20-06-1996	200	7.498	27%
17	ROH-RM-001	Rohtak Semen Station, Rohtak	31-05-2010	183	1.832	27%
18	SAG-BM-263	Sabarmati Ashram Gaushala, Bidaj	17-01-2006	193	1.990	27%
19	SAG-BM-267	Sabarmati Ashram Gaushala, Bidaj	12-09-2004	214	-0.363	26%
20	SAG-BM-216	Sabarmati Ashram Gaushala, Bidaj	22-07-2001	182	0.979	25%
21	ROH-RM-018	Rohtak Semen Station, Rohtak	27-01-2011	202	0.112	24%
22	SAG-BM-116	Sabarmati Ashram Gaushala, Bidaj	14-09-1995	189	-3.861	24%
23	ABC-SM-740	Animal Breeding Centre, Salon	17-08-2013	172	0.054	21%
24	SAG-BM-299	Sabarmati Ashram Gaushala, Bidaj	02-01-2006	194	-0.436	21%
25	ROH-RM-006	Rohtak Semen Station, Rohtak	25-08-2010	199	-6.232	21%
26	ROH-RM-019	Rohtak Semen Station, Rohtak	24-09-2010	210	0.774	19%
27	ROH-RM-005	Rohtak Semen Station, Rohtak	29-09-2010	198	0.195	19%
28	ROH-RM-009	Rohtak Semen Station, Rohtak	08-11-2010	197	-1.508	18%

<b>S. No.</b>	<b>Bull id</b>	<b>Semen station</b>	<b>DOB</b>	<b>No. of daughters used for analysis</b>	<b>GBV (days open)</b>	<b>REL (%)</b>
29	ROH-RM-007	Rohtak Semen Station, Rohtak	14-08-2010	189	0.504	17%
30	SAG-BM-227	Sabarmati Ashram Gaushala, Bidaj	11-11-2001	211	8.744	16%
31	ROH-RM-008	Rohtak Semen Station, Rohtak	02-10-2010	183	-0.295	16%
32	ROH-RM-016	Rohtak Semen Station, Rohtak	20-09-2010	198	0.109	15%
33	SAG-BM-346	Sabarmati Ashram Gaushala, Bidaj	09-11-2008	192	-4.493	15%
34	ROH-RM-020	Rohtak Semen Station, Rohtak	15-11-2010	200	0.227	13%
35	SAG-BM-376	Sabarmati Ashram Gaushala, Bidaj	08-10-2010	179	-0.206	12%
36	SAG-BM-374	Sabarmati Ashram Gaushala, Bidaj	20-05-2011	194	-1.014	12%
37	SAG-BM-40	Sabarmati Ashram Gaushala, Bidaj	10-02-1986	195	-2.768	10%
38	SAG-BM-305	Sabarmati Ashram Gaushala, Bidaj	01-09-2006	201	-2.646	10%
39	SAG-BM-295	Sabarmati Ashram Gaushala, Bidaj	17-10-2005	195	-2.392	10%
40	SAG-BM-378	Sabarmati Ashram Gaushala, Bidaj	21-10-2011	188	4.098	10%
41	SAG-BM-368	Sabarmati Ashram Gaushala, Bidaj	20-10-2010	196	4.055	9%
42	SAG-BM-394	Sabarmati Ashram Gaushala, Bidaj	05-03-2011	192	0.274	9%
43	SAG-BM-228	Sabarmati Ashram Gaushala, Bidaj	02-09-2002	189	-5.323	9%
44	SAG-BM-262	Sabarmati Ashram Gaushala, Bidaj	10-09-2005	190	-0.017	9%
45	SAG-BM-369	Sabarmati Ashram Gaushala, Bidaj	20-09-2010	192	0.431	9%
46	SAG-BM-386	Sabarmati Ashram Gaushala, Bidaj	09-01-2011	201	0.542	9%
47	SAG-BM-352	Sabarmati Ashram Gaushala, Bidaj	15-08-2010	189	-1.335	9%
48	SAG-BM-294	Sabarmati Ashram Gaushala, Bidaj	25-10-2005	206	0.147	9%
49	SAG-BM-42	Sabarmati Ashram Gaushala, Bidaj	25-10-1987	198	2.808	9%
50	SAG-BM-245	Sabarmati Ashram Gaushala, Bidaj	31-10-2002	186	-0.158	9%
51	SAG-BM-319	Sabarmati Ashram Gaushala, Bidaj	16-09-2007	218	3.758	8%
52	SAG-MR-10411	Sabarmati Ashram Gaushala, Bidaj	08-07-2011	191	5.951	8%
53	SAG-BM-318	Sabarmati Ashram Gaushala, Bidaj	05-01-2008	196	-5.345	8%
54	SAG-BM-200	Sabarmati Ashram Gaushala, Bidaj	28-10-2001	184	-2.123	8%
55	SAG-BM-225	Sabarmati Ashram Gaushala, Bidaj	28-01-2001	190	2.456	8%
56	SAG-BM-223	Sabarmati Ashram Gaushala, Bidaj	20-07-2001	195	0.268	8%
57	SAG-BM-271	Sabarmati Ashram Gaushala, Bidaj	29-08-2004	183	-2.780	8%
58	SAG-BM-275	Sabarmati Ashram Gaushala, Bidaj	05-01-2006	198	-3.205	8%
59	SAG-BM-307	Sabarmati Ashram Gaushala, Bidaj	25-12-2007	193	-2.538	8%
60	SAG-BM-268	Sabarmati Ashram Gaushala, Bidaj	09-10-2004	196	-0.690	8%
61	SAG-BM-379	Sabarmati Ashram Gaushala, Bidaj	13-11-2010	205	-0.689	8%
62	SAG-BM-326	Sabarmati Ashram Gaushala, Bidaj	25-12-2008	205	4.607	8%
63	SAG-BM-233	Sabarmati Ashram Gaushala, Bidaj	09-10-2002	187	-1.962	8%
64	SAG-BM-398	Sabarmati Ashram Gaushala, Bidaj	15-11-2011	197	0.627	8%
65	SAG-BM-310	Sabarmati Ashram Gaushala, Bidaj	15-09-2007	186	0.744	7%
66	SAG-BM-308	Sabarmati Ashram Gaushala, Bidaj	11-08-2007	188	0.555	7%
67	SAG-BM-357	Sabarmati Ashram Gaushala, Bidaj	17-09-2009	180	-1.452	7%

<b>S. No.</b>	<b>Bull id</b>	<b>Semen station</b>	<b>DOB</b>	<b>No. of daughters used for analysis</b>	<b>GBV (days open)</b>	<b>REL (%)</b>
68	SAG-BM-329	Sabarmati Ashram Gaushala, Bidaj	29-12-2008	188	0.682	7%
69	SAG-BM-377	Sabarmati Ashram Gaushala, Bidaj	21-10-2011	186	-4.508	7%
70	SAG-BM-372	Sabarmati Ashram Gaushala, Bidaj	03-11-2010	194	6.924	7%
71	SAG-BM-342	Sabarmati Ashram Gaushala, Bidaj	09-11-2009	197	-0.209	7%
72	SAG-MR-10428	Sabarmati Ashram Gaushala, Bidaj	25-11-2011	187	0.601	7%
73	SAG-BM-311	Sabarmati Ashram Gaushala, Bidaj	30-07-2006	186	0.545	7%
74	SAG-BM-322	Sabarmati Ashram Gaushala, Bidaj	01-03-2007	198	-2.400	7%
75	SAG-BM-274	Sabarmati Ashram Gaushala, Bidaj	28-03-2005	205	1.067	7%
76	SAG-BM-333	Sabarmati Ashram Gaushala, Bidaj	03-06-2008	187	0.720	7%
77	SAG-BM-241	Sabarmati Ashram Gaushala, Bidaj	28-10-2002	201	-0.298	7%
78	SAG-BM-231	Sabarmati Ashram Gaushala, Bidaj	22-11-2002	191	-0.526	7%
79	SAG-BM-392	Sabarmati Ashram Gaushala, Bidaj	01-08-2011	202	1.955	6%
80	SAG-BM-395	Sabarmati Ashram Gaushala, Bidaj	20-05-2011	190	-1.201	6%
81	SAG-BM-303	Sabarmati Ashram Gaushala, Bidaj	15-01-2007	200	-0.316	6%
82	SAG-BM-385	Sabarmati Ashram Gaushala, Bidaj	08-06-2011	188	0.129	6%
83	SAG-BM-331	Sabarmati Ashram Gaushala, Bidaj	21-01-2009	210	-2.235	6%
84	SAG-MR-10476	Sabarmati Ashram Gaushala, Bidaj	07-09-2014	161	-0.083	6%
85	SAG-BM-272	Sabarmati Ashram Gaushala, Bidaj	02-10-2004	187	0.845	6%
86	SAG-BM-347	Sabarmati Ashram Gaushala, Bidaj	09-10-2009	192	0.110	6%
87	SAG-BM-359	Sabarmati Ashram Gaushala, Bidaj	18-11-2010	176	-0.179	6%
88	SAG-BM-247	Sabarmati Ashram Gaushala, Bidaj	18-05-2004	205	-0.109	6%
89	SAG-BM-252	Sabarmati Ashram Gaushala, Bidaj	24-11-2004	189	-0.683	6%
90	SAG-BM-242	Sabarmati Ashram Gaushala, Bidaj	18-08-2003	202	1.008	6%
91	SAG-BM-371	Sabarmati Ashram Gaushala, Bidaj	08-10-2010	196	-0.064	6%
92	SAG-BM-315	Sabarmati Ashram Gaushala, Bidaj	21-12-2007	201	0.180	6%
93	ROH-RM-015	Rohtak Semen Station, Rohtak	07-01-2011	178	-0.036	6%
94	SAG-BM-362	Sabarmati Ashram Gaushala, Bidaj	26-08-2010	194	-0.647	6%
95	SAG-BM-304	Sabarmati Ashram Gaushala, Bidaj	28-03-2007	206	2.967	6%
96	SAG-BM-292	Sabarmati Ashram Gaushala, Bidaj	08-09-2005	188	0.383	6%
97	SAG-BM-335	Sabarmati Ashram Gaushala, Bidaj	03-10-2008	191	0.641	6%
98	ROH-RM-012	Rohtak Semen Station, Rohtak	16-12-2010	193	0.370	6%
99	SAG-BM-381	Sabarmati Ashram Gaushala, Bidaj	14-10-2010	185	0.171	6%
100	SAG-MR-10425	Sabarmati Ashram Gaushala, Bidaj	09-03-2012	189	-0.379	6%
101	SAG-BM-281	Sabarmati Ashram Gaushala, Bidaj	11-07-2005	197	-0.109	6%
102	SAG-BM-273	Sabarmati Ashram Gaushala, Bidaj	25-08-2004	193	0.270	6%
103	SAG-BM-266	Sabarmati Ashram Gaushala, Bidaj	17-09-2004	214	1.718	6%
104	SAG-BM-306	Sabarmati Ashram Gaushala, Bidaj	29-06-2003	184	0.380	6%
105	SAG-MR-10432	Sabarmati Ashram Gaushala, Bidaj	25-06-2013	180	0.838	6%
106	SAG-BM-373	Sabarmati Ashram Gaushala, Bidaj	06-07-2010	181	0.061	6%

<b>S. No.</b>	<b>Bull id</b>	<b>Semen station</b>	<b>DOB</b>	<b>No. of daughters used for analysis</b>	<b>GBV (days open)</b>	<b>REL (%)</b>
107	ROH-RM-024	Rohtak Semen Station, Rohtak	10-09-2010	190	-0.061	6%
108	SAG-BM-243	Sabarmati Ashram Gaushala, Bidaj	02-08-2003	197	0.208	6%