

Pen #	Lot #	Classic tag colour	Classic Tag #	Brand	Brand ID #	Birth year	Colour	Horn	NLIS	Tenderness	Hormonal	Escution (Milk quantity)	Butterfat (Milk quality)	Teat Placment	Epydidims	F&F (Fertility & Functionality)	Meat traits	Temperment	Average	Comment	Volume (million sperm / ml)	Collection Method	% Normal Morphology	Motility	Vasiculitis	circumference CM	Scrotal Length CM	Comparative Scrotal size	Scrotal texture	Penis	Result
1	1	Red	622	BA	94	9	grey gyr	dehorn	TBVR0028 XBE01419	3.5	2	2	4	3	3	3.5	3	2.5	2.94		1500	R.P.	94	fair	Nil	36	16	576	Firm	straight	fertile
	2	Red	659	BA	122	9	grey gyr	Dehorn	TBVR0028 XBE01405	3	3	4	3.5	3	3.5	3	2.5	3	3.17		100	E.E	82	good	Nil	38	15	570	Firm	straight	fertile
	3	Red	653	BA	46	9	Grey	Poll	TBVR0028 XBE01414	3	3	4	3.5	2	2	3	3	3.5	3		1000	E.E	90	good	Nil	33	17	561	Firm	straight	fertile
2	4	Yellow	96	BA		9	Grey	Dehorn	TBVR0028 ZBH01902	4.5	2.5	3	4	3.5	3	3.5	3.5	2.5	3.33		1000	E.E	94	good	Nil	40	16	640	Firm	straight	fertile
	5	Yellow	458	BA		9	Grey	Dehorn	TBVR0028 ZBH01905	4	2	3	4	3	3	3.5	3	3	3.17		600	E.E	76	fair	Nil	35	15	525	Firm	straight	fertile
	6	Red	35	BA	75	9	grey	Dehorn	TBVR0028 XBE01895	3.5	4	4	4	2	2.5	3	3	3	3.22		1800	R.P.	84	good	Nil	38	14	532	Firm	straight	fertile
3	7	Red	1872	BA		9	grey	Dehorn	TBVR0028 ZBH01904	3.5	3	4	3.5	2.5	3	3	3	3	3.17		1200	R.P.	96	fair	Nil	36	15	540	Firm	straight	fertile
	8	Red	640	BA	99	9	grey gyr	dehorn	TBVR0028 XBE01433	3	3	4	4	3	3	3	3	2	3.11		1800	R.P.	96	good	Nil	37	16	592	Firm	straight	fertile
	9	Red	647	BA	104	9	grey	Dehorn	TBVR0028 XBE01442	2.5	3	3.5	3.5	3	3.5	2.5	2.5	2.5	2.94		800	E.E	90	fair	Nil	35	15	525	Firm	straight	fertile
4	10	Red	503	BA	79	9	grey	Dehorn	TBVR0028 BE01900	3	2	4	4	2.5	2	2.5	2.5	3.5	2.89		1000	E.E	88	fair	Nil	36	15	540	Firm	straight	fertile
	11	Red	32	BA	26	9	grey	Dehorn	TBVR0028 XBE01874	3	2.5	4	3	3	3	2.5	2.5		2.94		600	R.P.	92	fair	Nil	38	15	570	Firm	straight	fertile
	12	Yellow	179	BA		9	grey	Dehorn	TBVR0028 ZBH01906	4	3.5	2	4	3	2	2.5	2.5	2	2.83		600	E.E	96	fair	Nil	37	15	555	Firm	straight	fertile
5	13	Red	38	BA	19	9	grey	Poll	TBVR0028 XBE01891	3	2.5	3	3	2.5	3.5	2.5	2.5	2	2.72		1500	E.E	88	good	Nil	34	13	442	Firm	straight	fertile
	14	Red	871	BA		9	Grey	Poll	TBVR0028 ZBH01905	3	3	4	4	3	3.5	3	3	3	3.28		300	R.P.	95	fair	Nil	36	14	504	Firm	straight	fertile
	15	Red	599	BA	447	0	Grey	Dehorn	TBVR0028 XBE01449	2.5	3	3	3	2	3	3	2.5	3	2.78		1800	R.P.	96	good	Nil	34	14	476	Firm	straight	fertile
6	16	Red	625	BA	53	0	grey	dehorn	TBVR0028 XBE01426	2.5	3	3	3.5	2	3	3.5	3.5	2.5	2.94		400	E.E	92	good	Nil	35	15	525	Firm	straight	fertile
	17	Red	722	BA		9	grey	dehorn	TBVR0028 ZBH01908	3	2	3	3.5	3.5	2	3	2.5	3	2.83		1000	R.P.	84	good	Nil	36	14	504	Firm	straight	fertile
	18	Red	635	BA	49	0	grey	dehorn	TBVR0028 XBE01440	2.5	3	3.5	3	1	3	3	3	3	2.78		500	E.E	78	good	Nil	33	13	429	Firm	straight	fertile
7	19	Red	1896	BA		9	grey	Horn	TBVR0028 ZBH01910	3	3	3	4	3	2	3.5	3	3	3.06		2000	E.E	96	good	Nil	39	15	585	Firm	straight	fertile
	20	Red	709	BA		9	grey		TBVR0028 ZBH01901	3	3	4	4	2.5	3.5	3	3	2	3.11		1000	E.E	96	good	Nil	38	13	494	Firm	straight	fertile
	21	Yellow	190	BA		9	grey	Horn	TBVR0028 ZBH01911	3	3	3	4	2.5	2.5	3	3	3	3		1200	E.E	94	fair	Nil	36	16	576	Firm	straight	fertile
8	22	White	81	BA		9	Light Red	Dehorn	TBVR0028 XBD01245	4	4	3.5	3	3	4	3	3	3.5	3.44		1700	R.P.	92	good	Nil	36	15	540	Firm	straight	fertile
	23	Red	628	BA	81	9	Light Red	Dehorn	TBVR0028 ZBH01917	3	4	3.5	3.5	3	2.5	3	3.5	2.5	3.17		1200	R.P.	90	good	Nil	36	14	504	Firm	straight	fertile
	24	Red	1861	BA		9	Light Red	dehorn	TBVR0028 XBE01534	3.5	2.5	2	3.5	3	2.5	2.5	2.5	2.5	2.72		1500	E.E	92	good	Nil	39	18	702	Firm	straight	fertile
9	25	Red	61	BA		9	Light Red	Horn	TBVR0028 XBE01881	3	3	3	4	3	3.5	3.4	3.5	2.5	3.21		1000	E.E	96	good	Nil	40	12	480	Firm	straight	fertile
	26	Yellow	Button	BA	140	9	Light red	Dehorn	TBVR0028 XBD01217	4	2.5	4	3.5	3	3.5	3	3	2.5	3.22		800	E.E	94	good	Nil	36	14	504	Firm	straight	fertile
	27	Red	602	BA	74	9	Light Red	dehorn	TAVR0579 XBF00450	3	3	3	4	3	3	3	3	2	3		500	E.E	94	good	Nil	33	14	462	Firm	straight	fertile
10	28	Red	710	BA		9	red	Dehorn	TBVR0028 XBD01243	3	3	2	4	2	2			2.5	2.64		1000	E.E	98	good	Nil	35	16	560	Firm	straight	fertile
	29	Red	490	BA		9	Red	Dehorn	TBVR0028 XBE01504	4	2.5	3	3.5	2.5	3	2.5	2.5	3	2.94		900	R.P.	98	fair	Nil	37	16	592	Firm	straight	fertile
	30	Red	619	BA	11	9	Red	dehorn	TBVR0028 XBE01415	2.5	3	4	3.5	2.5	4	2	2.5	3	3		600	R.P.	88	fair	Nil	36	12	432	Firm	straight	fertile
11	31	Red	1903	BA		0	red	dehorn	TBVR0028 ZBH01919	3.5	2.5	4	4	3	2.5	3.5	3.5	3	3.28		1200	R.P.	92	good	Nil	33	15	495	Firm	straight	fertile
	32	Red	596	BA	59	0	red	Dehorn	TAVR0579 XBF00444	3	2	4	4	3	2.5	3	3	2	2.94		1200	R.P.	98	good	Nil	36	14	504	Firm	straight	fertile
	33	Red	839	BA		0	red	Dehorn	TBVR0028 ZBH01920	3	2	2	4	3	3.5	3.5	3.5	2.5	3		500	R.P.	92	fair	Nil	34	12	408	Firm	straight	fertile
12	34	Red	1846	BA	50	0	Red	dehorn	TBVR0028 XBE01430	3.5	2.5	1	3	2.5	2	3	3.5	2	2.56	v.good MILK	500	E.E	80	fair	Nil	32	16	512	Firm	straight	fertile
	35	Red	840	BA		0	Red	Poll	TBVR0028 ZBH01921	3.5	3	4	3.5	2	3	3.5	3.5	2	3.11		900	E.E	94	good	Nil	33	12	396	Firm	straight	fertile
	36	Red	1504	BA	34	0	red	dehorn	TBVR0028 XBE01448	3.5	3	4	4	3.5	3.5	3	3	2	3.28		800	E.E	94	fair	Nil	37	12	444	Firm	straight	fertile

13	37	Red	627	BA	120	0	Red	Dehorn	TBVR0028 XBE01435	3.5	3	4	3.5	2	4	3.5	3.5	3	3.33		1500	E.E	88	good	Nil	34	13	442	Firm	straight	fertile
	38	Red	1061	BA		0	Red Gyr	Horn	TBVR0028 ZBH01916	2.5	3	2	3	3.5	3	3.5	4	3	3.06		500	R.P.	98	fair	Nil	34	14	476	Firm	straight	fertile
	39	Red (L	547	BA	414	0	red	dehorn	TAVR0579 XBF00429	3	2	3	3	2.5	3	3.5	3.5	2	2.83		500	E.E	90	fair	Nil	34	13	442	Firm	straight	fertile
14	40	Red	620	BA	62	0	grey	dehorn	TBVR0028 XBE01434	2.5	3	3	4	3	3	3	3	2	2.94		400	E.E	86	fair	Nil	35	15	525	Firm	straight	fertile
	41	Red	893	BA			grey	Dehorn	TBVR0028 ZBH01912	3	2	4	3	3	3.5	3.5	4	2	3.11		800	R.P.	88	fair	Nil	34	13	442	Firm	straight	fertile
	42	Red	651	BA	73	9	grey	Poll	TBVR0028 XBE01402	3.5	3	3	4	3	3	3	3	2	3.06		1400	E.E	88	good	Nil	35	15	525	Firm	straight	fertile
15	43	Red	1858	BA		9	grey	dehorn	TBVR0028 ZBH01913	3	3	2	3.5	3	3.5	3.5	3.5	2.5	3.06		1000	E.E	80	good	Nil	40	14	560	Firm	straight	fertile
	44	Yellow	Button	BA	91	9	Grey	Dehorn	TBVR0028 ZBH01914	4	3	4	3.5	3	3	3.5	3.5	3	3.39		1200	E.E	88	good	Nil	34	15	510	Firm	straight	fertile
	45	Red	655	BA	78	9	Grey	dehorn	TBVR0028 XBE01411	2.5	3	2	3.5	3	3.5	3	3	3	2.94		200	E.E	82	fair	Nil	34	14	476	Firm	straight	fertile
16	46	Red (C	597	BA	60	0	Grey	Dehorn	TAVR0579 XBF00434	3.5	2	4	3	3.5	3	3.5	3.5	3	3.22		800	R.P.	88	fair	Nil	34	14	476	Firm	straight	fertile
	47	Red (C	590	BA	455	0	grey	dehorn	TAVR0579 XBF00443	3	3	3	3	2	3	3	3	2.5	2.83		1000	E.E	94	good	Nil	34	13	442	Firm	straight	fertile
	48	Red	894	BA		0	grey	dehorn	TBVR0028 ZBH01907	3	2	3.5	4	3.5	3	3	3.5	2	3.06		800	R.P.	94	fair	Nil	33	13	429	Firm	straight	fertile
17	49	Red	993	BA		0	grey	dehorn	TBVR0028 ZBH01909	3	3	4	3.5	2.5	3.5	2.5	2.5	3.5	3.11		900	E.E	92	fair	Nil	32	14	448	Firm	straight	fertile
	50	Red	610	BA	372	0	grey	dehorn	TAVR0579 XBF0430	3.5	3	4	4	2	3	3.5	3.5	2.5	3.22		1000	R.P.	94	good	Nil	30	12	360	Firm	straight	fertile
	51	Red	608	BA	415	0	grey	dehorn	TAVR0579 XBF00494	3.5	3	2	4	3	3.5	3	3.5	3	3.17		400	E.E	90	fair	Nil	33	15	495	Firm	straight	fertile
18	52	Yellow	Button	BA	340	0	Grey	poll	TBVR0028 XBE01420	4	3.5	4	3.5	3	3	2.5	4	2.5	3.33		1200	R.P.	98	good	Nil	32	13	416	Firm	straight	fertile
	53	Red	614	BA	418	0	Grey	Poll	TAVR0579 XBF00448	3	3	4	4	3	3.5	2.5	3.5	2	3.17		400	E.E	88	good	Nil	29	13	377	Firm	straight	fertile
	54	Red (C	588	BA	343	0	grey	Poll	TAVR0579 XBF00476	3	3	2	4	3	3	2.5	3	2	2.83		700	E.E	84	good	Nil	30	13	390	Firm	straight	fertile
19	55	Red (C	593	BA	429	0	grey	poll	TAVR0579 XBF00422	3	3	4	3	2	3	3.5	3	2	2.94		800	R.P.	92	fair	Nil	31	15	465	Firm	straight	fertile
	56	Red (L	544	BA	445	0	grey	poll	TAVR0579 XBF00480	3	3	4	3	2	3	3.5	3	2.5	3		1000	E.E	94	good	Nil	29	13	377	Firm	straight	fertile
	57	Red (C	598	BA	352	0	Grey	poll	TAVR0579 XBF00464	3	3	3	4	3	3.5	3	3	3.5	3.22		1500	R.P.	88	good	Nil	32	13	416	Firm	straight	fertile
20	58	Red	817	BA		0	grey	dehorn	TBVR0028 ZBH01915	3	2	3	3.5	2	3.5	3.5	3.5	3	3		800	R.P.	92	fair	Nil	32	14	448	Firm	straight	fertile
	59	Red (L	549	BA	402	0	grey	dehorn	TAVR0579 XBF00451	2.5	3	3	3.5	4	3	3	2.5	3	3.06		1200	E.E	82	fair	Nil	33	16	528	Firm	straight	fertile
	60	Red (L	524	BA	428	0	grey	dehorn	TAVR0579 XBF00403	2.5	4	4	4	3	2.5	3	3	3.5	3.28		1500	E.E	98	good	Nil	34	15	510	Firm	straight	fertile
21	61	Red	621	BA	110	0	Light Red	dehorn	TBVR0028 XBE01437	3	2	2.5	4	3	3	4	3.5	2.5	3.06		1500	E.E	75	good	Nil	38	18	684	Firm	straight	fertile
	62	Red	815	BA		0	Light red	dehorn	TBVR0028 ZBH01918	3.5	3	3	3	2	3.5	3	3.5	2	2.94		800	R.P.	84	fair	Nil	37	15	555	Firm	straight	fertile
	63	Red (L	553	BA	420	0	light red	dehorn	TAVR0579 XBF00423	3	3	4	3	4	3	3.5	3.5	2.5	3.28		1800	E.E	94	good	Nil	35	14	490	Firm	straight	fertile
22	64	Red	934	BA		0	Light Red	dehorn	TBVR0028 ZBH01929	2.5	3	3	4	2.5	3.5	3.5	3.5	2.5	3.11		500	E.E	88	fair	Nil	36	14	504	Firm	straight	fertile
	65	Red	868	BA		0	Light Red	scur	TBVR0028 ZBH01928	3	3	4	3.5	2	3.5	3.5	3.5	2.5	3.17		400	E.E	88	fair	Nil	30	13	390	Firm	straight	fertile
	66	Red (C	556	BA	390	0	Light Red	dehorn	TAVR0579 XBF00470	3	4	3	3	3	3	3	3.5	1.5	3		800	E.E	88	fair	Nil	33	14	462	Firm	straight	fertile
23	67	Red	607	BA	382	0	Light Red	dehorn	TAVR0579 XBF00468	3.5	3	3	4	2	3	4	4	2.5	3.22		1200	R.P.	88	good	Nil	30	13	390	Firm	straight	fertile
	68	Red	1053	BA		0	Light Red	Dehorn	TBVR0028 ZBH01927	3	3	3	4	3	3.5	3	3	2	3.06		1200	E.E	86	good	Nil	32	14	448	Firm	straight	fertile
	69	Red	1898	BA	52	0	Light Red	dehorn	TBVR0028 XBE01445	3	3	3.5	4	2	3	3	3.5	2.5	3.06		1000	R.P.	95	fair	Nil	37	13	481	Firm	straight	fertile
24	70	Red	1004	BA		0	light red	dehorn	TBVR0028 ZBH01925	3	3	4	3.5	3	2.5	3	3	3	3.11		2000	R.P.	96	good	Nil	35	14	490	Firm	straight	fertile
	71	Red	939	BA		0	Light Red	Dehorn	TBVR0028 ZBH01926	3	3	2	3	2	3.5	3.5	4	3.5	3.06		1200	E.E	96	good	Nil	30	14	420	Firm	straight	fertile
	72	Red (507	BA	130	0	Light Red	Dehorn	TBVR0028 XBE01429	3	2	4	3.5	1	3	3	2.5	2.5	2.72	6 teats	1200	E.E	92	fair	Nil	35	14	490	Firm	straight	fertile
25	73	Red	884	BA		0	Red	dehorn	TBVR0028 ZBH01922	3	3	3	3.5	3	3	3	3	3	3.06		600	R.P.	88	fair	Nil	33	13	429	Firm	straight	fertile
	74	Red	916	BA		0	red	dehorn	TBVR0028 ZBH01923	2.5	3	3	3	3	3	3	3.5	2.5	2.94		500	R.P.	96	fair	Nil	34	12	408	Firm	straight	fertile
	75	Yellow	443	BA		0	red	Dehorn	TBVR0028 ZBH01924	4	3.5	3	4	3.5	3.5	4	3.5	2	3.44		1200	E.E	88	good	Nil	32	11	352	Firm	straight	fertile

Unweighted Average 3.1 2.9 3.3 3.6 2.7 3 3.11 3.2 2.6 3.1 978.7 90.49 34.56 14.15 490.2