

FILE 1**TABLE S1: PER MARKER F_{ST} OF LIMPOPO VERSUS COMMERCIAL GOAT POPULATIONS (BOER, KALAHARI RED AND SAVANNA).**

Marker	Chromosome	Position	Overall F_{ST}
snp28078-scaffold300-3412212	8	38197294	0.72
snp19368-scaffold1958-104157	6	8034538	0.71
snp3556-scaffold1110-106176	9	59365070	0.70
snp19366-scaffold1958-28303	6	8110392	0.69
snp28077-scaffold300-3369813	8	38154895	0.69
snp51703-scaffold760-153052	6	7438269	0.68
snp32526-scaffold371-1443673	13	39230563	0.68
snp48555-scaffold690-432877	6	104631767	0.67
snp49002-scaffold7-1603772	13	30788222	0.67
snp49005-scaffold7-1739012	13	30652982	0.66
snp14833-scaffold1599-1648545	16	48916418	0.66
snp39336-scaffold50-3297453	11	85314176	0.66
snp39334-scaffold50-3223208	11	85388421	0.66
snp834-scaffold1022-261355	24	6796728	0.65
snp6953-scaffold1255-276605	6	108237574	0.65
snp50228-scaffold717-6783091	12	27168032	0.65
snp32288-scaffold366-3374677	8	82251905	0.64
snp41147-scaffold532-2467263	26	19263257	0.64
snp35992-scaffold431-3698420	12	50165674	0.64
snp23960-scaffold2420-103083	10	95541485	0.64
snp48983-scaffold7-757999	13	31633995	0.64
snp15420-scaffold1634-771995	13	37797942	0.64
snp50237-scaffold717-7182753	12	27567694	0.63
snp12903-scaffold1499-480243	8	68047290	0.63
snp1842-scaffold1052-490895	14	68650539	0.63
snp55229-scaffold85-1952236	7	16702787	0.63
snp53804-scaffold82-4879979	2	81607276	0.63
snp28079-scaffold300-3453358	8	38238440	0.63
snp43116-scaffold572-2955845	10	93940994	0.63
snp58821-scaffold960-1070050	24	58989582	0.62
snp1880-scaffold1052-2240134	14	66901300	0.62
snp6985-scaffold1257-924855	1	102100621	0.62
snp32290-scaffold366-3455018	8	82171564	0.62
snp58911-scaffold965-310891	9	10335006	0.62
snp31039-scaffold343-1533935	10	26693103	0.62
snp47362-scaffold666-637358	5	90104066	0.62
snp29370-scaffold3175-373136	19	52139389	0.62
snp648-scaffold102-635295	24	19528727	0.62
snp28377-scaffold303-743729	19	30266065	0.62
snp34632-scaffold41-1222140	15	17526001	0.62
snp54715-scaffold837-1615921	15	55285889	0.62
snp28114-scaffold300-4928606	8	39713688	0.61
snp35943-scaffold431-1405126	12	47872380	0.61

TABLE S1: PER MARKER F_{ST} OF LIMPOPO VERSUS COMMERCIAL GOAT POPULATIONS (BOER, KALAHARI RED AND SAVANNA) (Continued).

Marker	Chromosome	Position	Overall F_{ST}
snp28076-scaffold300-3335943	8	38121025	0.61
snp836-scaffold1022-339033	24	6719050	0.61
snp15413-scaffold1634-460263	13	37486210	0.61
snp33542-scaffold394-770559	5	42491486	0.61
snp3187-scaffold1095-4084951	12	29012392	0.61
snp46064-scaffold632-185079	18	56514202	0.61
snp13162-scaffold1502-321603	24	47347699	0.61
snp49003-scaffold7-1632946	13	30759048	0.60
snp50235-scaffold717-7093985	12	27478926	0.60
snp58317-scaffold947-1388094	10	31456656	0.60
snp12367-scaffold1466-749565	14	65955795	0.60
snp20566-scaffold2022-376531	13	15909019	0.60
snp1838-scaffold1052-332190	14	68809244	0.60
snp15611-scaffold165-866200	21	53620729	0.60
snp41697-scaffold542-2448188	15	48727568	0.60
snp46885-scaffold654-729925	3	33563672	0.60
snp55230-scaffold85-1981640	7	16673383	0.60
snp43609-scaffold582-835889	3	36349407	0.60
snp52842-scaffold792-767250	12	11056014	0.60
snp12950-scaffold1499-2536881	8	65990652	0.60
snp50200-scaffold717-5507351	12	25892292	0.60
snp43510-scaffold579-6303169	9	59516256	0.59
snp19457-scaffold1964-119046	6	7732009	0.59
snp41676-scaffold542-1367712	15	47647092	0.59
snp45014-scaffold614-1443654	2	47037815	0.59
snp39569-scaffold503-1404542	13	20260856	0.59
snp37595-scaffold460-703154	3	30903478	0.59
snp34916-scaffold416-2141525	14	56247710	0.59
snp33930-scaffold4-2005175	11	94347929	0.59
snp8838-scaffold1317-827711	7	32463717	0.59
snp41174-scaffold532-3630728	26	18099792	0.58
snp35658-scaffold43-2147682	18	22003155	0.58
snp35138-scaffold420-1629579	7	62668519	0.58
snp41396-scaffold538-519683	10	95958611	0.58
snp26382-scaffold276-3252186	1	91810480	0.58
snp44764-scaffold609-1510371	17	51120743	0.58
snp6239-scaffold122-811967	26	11805464	0.58
snp20874-scaffold205-1017491	16	46018309	0.58
snp9199-scaffold1335-368697	19	44656775	0.58
snp35576-scaffold428-3304453	17	31355361	0.58
snp45520-scaffold620-3561964	9	54754940	0.58
snp13050-scaffold150-3127888	13	49042684	0.58
snp8182-scaffold13-555106	24	18338227	0.57

TABLE S1: PER MARKER F_{ST} OF LIMPOPO VERSUS COMMERCIAL GOAT POPULATIONS (BOER, KALAHARI RED AND SAVANNA) (Continued).

Marker	Chromosome	Position	Overall F_{ST}
snp456-scaffold1011-1028523	9	19146910	0.57
snp28075-scaffold300-3305715	8	38090797	0.57
snp85-scaffold100-265663	15	5337309	0.57
snp3704-scaffold112-1934811	16	60352587	0.57
snp51848-scaffold762-834851	27	38479358	0.57
snp17949-scaffold185-6144571	11	66914593	0.57
snp14775-scaffold1596-57767	29	1123546	0.57
snp42019-scaffold548-3435198	15	29615685	0.56
snp36098-scaffold431-8463413	12	54930667	0.56
snp32529-scaffold371-1576249	13	39097987	0.56
snp37765-scaffold464-4856841	2	97844906	0.56
snp10493-scaffold1374-422289	26	422289	0.56
snp46893-scaffold654-1069751	3	33903498	0.56
snp8967-scaffold1324-570052	9	89466032	0.56
snp10731-scaffold1380-32604	11	51251527	0.56
snp13173-scaffold1502-765308	24	47791404	0.56
snp20528-scaffold202-7032275	2	36809018	0.56
snp37590-scaffold460-483110	3	31123522	0.56
snp31096-scaffold344-349091	6	8487885	0.56
snp46124-scaffold635-161069	6	6919777	0.56
snp33893-scaffold4-320518	11	92663272	0.56
snp33894-scaffold4-349467	11	92692221	0.56
snp33895-scaffold4-413151	11	92755905	0.56
snp33896-scaffold4-444332	11	92787086	0.56
snp35989-scaffold431-3552989	12	50020243	0.56
snp50252-scaffold717-7820456	12	28205397	0.56
snp26764-scaffold281-1243900	6	35578781	0.56
snp1239-scaffold1031-974747	7	22223501	0.56
snp58818-scaffold960-916834	24	59142798	0.56
snp44200-scaffold600-944853	8	15779841	0.56
snp43599-scaffold582-381763	3	35895281	0.56
snp21586-scaffold2108-276236	3	61660450	0.56
snp28109-scaffold300-4710797	8	39495879	0.56
snp29287-scaffold316-161510	7	18816632	0.56
snp20558-scaffold2022-66896	13	16218654	0.56
snp40231-scaffold512-3206150	18	18345407	0.56
snp24361-scaffold247-7543141	11	44896274	0.55
snp1595-scaffold1045-307666	16	32863089	0.55
snp35377-scaffold425-795259	14	72578630	0.55
snp8834-scaffold1317-677468	7	32613960	0.55
snp44634-scaffold606-4621460	8	52718949	0.55
snp47353-scaffold666-240753	5	90500671	0.55
snp3330-scaffold1101-1353267	19	54763563	0.55

TABLE S1: PER MARKER F_{ST} OF LIMPOPO VERSUS COMMERCIAL GOAT POPULATIONS (BOER, KALAHARI RED AND SAVANNA) (Continued).

Marker	Chromosome	Position	Overall F_{ST}
snp11305-scaffold1408-348781	6	6598573	0.55
snp1672-scaffold1047-1386839	3	53366887	0.55
snp39074-scaffold497-916276	8	81458724	0.55
snp33432-scaffold392-3363447	5	53357331	0.55
snp10528-scaffold1376-43622	8	74557439	0.55
snp10527-scaffold1376-6315	8	74594746	0.55
snp1230-scaffold1031-586840	7	21835594	0.55
snp14304-scaffold157-2608112	5	17079707	0.55
snp5510-scaffold1193-22066	6	4909464	0.55
snp10221-scaffold1368-562200	23	42753103	0.55
snp50006-scaffold716-1302734	7	74438604	0.55
snp50497-scaffold725-471271	9	65587263	0.55
snp11748-scaffold1433-238485	13	36787363	0.55
snp59122-scaffold97-446740	13	53896082	0.55
snp6514-scaffold1230-1489811	21	30150934	0.55
snp24826-scaffold254-1597421	7	59225637	0.54
snp49067-scaffold7-4476259	13	27915735	0.54
snp16194-scaffold1703-171177	29	39313358	0.54
snp13833-scaffold154-1698431	22	32314180	0.54
snp30545-scaffold338-88317	15	72096544	0.54
snp59985-scaffold999-128817	6	1438392	0.54
snp27752-scaffold296-1177458	24	11100851	0.54
snp12150-scaffold145-767791	1	149111957	0.54
snp56283-scaffold881-803514	13	44385209	0.54
snp39153-scaffold499-377463	23	44965669	0.54
snp11898-scaffold144-2525228	3	69128844	0.54
snp20387-scaffold202-948699	2	30725442	0.54
snp50123-scaffold717-2243748	12	22628689	0.54
snp3302-scaffold1101-14122	19	53424418	0.54
snp35884-scaffold430-6764474	2	44645817	0.54
snp26766-scaffold281-1311915	6	35646796	0.54
snp43087-scaffold572-1822323	10	92807472	0.54
snp32202-scaffold3643-393290	19	49794943	0.54
snp20495-scaffold202-5660539	2	35437282	0.54
snp19499-scaffold197-420534	1	16141683	0.54
snp35982-scaffold431-3206404	12	49673658	0.54
snp31905-scaffold356-4777048	8	103115286	0.54
snp45817-scaffold629-484215	1	26230231	0.54
snp30075-scaffold33-107046	19	40224821	0.54
snp39582-scaffold504-102451	9	2650311	0.54
snp8057-scaffold1292-81777	1	24171311	0.54
snp40203-scaffold512-1947795	18	17087052	0.54
snp8961-scaffold1324-255129	9	89151109	0.54

TABLE S1: PER MARKER F_{ST} OF LIMPOPO VERSUS COMMERCIAL GOAT POPULATIONS (BOER, KALAHARI RED AND SAVANNA) (Continued).

Marker	Chromosome	Position	Overall F_{ST}
snp39332-scaffold50-3163935	11	85447694	0.54
snp46479-scaffold643-2604318	15	37471509	0.54
snp15280-scaffold1629-549843	4	105882800	0.54
snp34922-scaffold416-2397891	14	55991344	0.53
snp46914-scaffold654-1941821	3	34775568	0.53
snp32456-scaffold37-1565950	15	13546974	0.53
snp50230-scaffold717-6871142	12	27256083	0.53
snp6955-scaffold1255-336868	6	108297837	0.53
snp39505-scaffold501-2867382	10	17481344	0.53
snp41168-scaffold532-3374420	26	18356100	0.53
snp14431-scaffold1576-143213	20	46769865	0.53
snp10878-scaffold139-85379	15	63423240	0.53
snp1238-scaffold1031-941914	7	22190668	0.53
snp40213-scaffold512-2379007	18	17518264	0.53
snp37022-scaffold449-312721	14	32546820	0.53
snp49503-scaffold706-1271483	4	20477723	0.53
snp47067-scaffold659-724477	3	21511827	0.53
snp4403-scaffold1139-1176136	6	106240879	0.53
snp4407-scaffold1139-1327389	6	106392132	0.53
snp35475-scaffold427-2768557	9	43084391	0.53
snp26767-scaffold281-1361783	6	35696664	0.53
snp18054-scaffold185-10574388	11	62484776	0.53
snp1236-scaffold1031-862188	7	22110942	0.53
snp36101-scaffold431-8559972	12	55027226	0.53
snp3557-scaffold1110-169872	9	59301374	0.53
snp6577-scaffold1234-132552	24	58332462	0.53
snp36431-scaffold438-719115	25	20325709	0.53
snp42659-scaffold566-3436453	14	76865550	0.53
snp34912-scaffold416-1940101	14	56449134	0.53
snp28013-scaffold300-596083	8	35381165	0.53
snp25885-scaffold2674-34300	17	71715797	0.53
snp35184-scaffold421-1024790	24	29679943	0.53
snp32530-scaffold371-1615483	13	39058753	0.53
snp11110-scaffold14-1651402	14	69842396	0.53
snp31828-scaffold356-1288428	8	99626666	0.53
snp19300-scaffold1948-1484	24	7132730	0.53
snp36115-scaffold431-9087529	12	55554783	0.52
snp47142-scaffold659-3842528	3	24629878	0.52
snp46206-scaffold637-2738188	20	43361342	0.52
snp5548-scaffold1195-532765	5	40681465	0.52
snp27537-scaffold294-67724	24	7063423	0.52
snp27738-scaffold296-511801	24	11766508	0.52
snp18052-scaffold185-10505563	11	62553601	0.52

TABLE S1: PER MARKER F_{ST} OF LIMPOPO VERSUS COMMERCIAL GOAT POPULATIONS (BOER, KALAHARI RED AND SAVANNA) (Continued).

Marker	Chromosome	Position	Overall F_{ST}
snp28291-scaffold301-2686568	2	28883680	0.52
snp46900-scaffold654-1368681	3	34202428	0.52
snp39238-scaffold5-3008760	9	86414293	0.52
snp15715-scaffold1652-331055	1	28292037	0.52
snp7319-scaffold1269-2530432	7	55126166	0.52
snp28390-scaffold303-1304573	19	30826909	0.52
snp59824-scaffold995-103773	7	32208730	0.52
snp16035-scaffold169-178962	9	8596722	0.52
snp9869-scaffold1352-1074208	6	93322577	0.52
snp35653-scaffold43-1962260	18	22188577	0.52
snp44610-scaffold606-3554272	8	51651761	0.52
snp11298-scaffold1408-66505	6	6316297	0.52
snp21207-scaffold207-4247881	17	16083382	0.52
snp43502-scaffold579-5997651	9	59821774	0.52
snp24767-scaffold253-1835132	11	90697164	0.52
snp12910-scaffold1499-866232	8	67661301	0.52
snp47899-scaffold675-1391473	3	26625734	0.52
snp12045-scaffold1444-393170	19	13540466	0.52
snp33922-scaffold4-1671582	11	94014336	0.52
snp33924-scaffold4-1773054	11	94115808	0.52
snp33925-scaffold4-1818866	11	94161620	0.52
snp2702-scaffold1077-1551097	1	17908915	0.52
snp52812-scaffold791-2229348	14	54880060	0.52
snp14834-scaffold1599-1681033	16	48948906	0.52
snp44600-scaffold606-3145331	8	51242820	0.52
snp11119-scaffold14-2120966	14	69372832	0.52
snp53546-scaffold815-140798	16	7059512	0.52
snp52256-scaffold775-15664	5	48478347	0.52
snp10373-scaffold1370-1759409	14	52329533	0.52
snp16605-scaffold175-649430	28	22448458	0.52
snp17694-scaffold1834-174736	13	1571977	0.52
snp6492-scaffold1230-528760	21	31111985	0.52
snp46120-scaffold635-31540	6	6790248	0.52
snp2712-scaffold1079-159043	7	14464313	0.52
snp4065-scaffold1128-524656	19	61389936	0.52
snp27707-scaffold2951-376219	6	112133690	0.52
snp11822-scaffold1438-1084369	1	125698770	0.52
snp32628-scaffold375-45642	17	15231350	0.52
snp59358-scaffold978-442863	8	27768276	0.52
snp21131-scaffold207-1039979	17	19291284	0.52
snp29115-scaffold312-7215702	2	58815990	0.51
snp40177-scaffold512-869116	18	16008373	0.51
snp28098-scaffold300-4261990	8	39047072	0.51

TABLE S1: PER MARKER F_{ST} OF LIMPOPO VERSUS COMMERCIAL GOAT POPULATIONS (BOER, KALAHARI RED AND SAVANNA) (Continued).

Marker	Chromosome	Position	Overall F_{ST}
snp53770-scaffold82-3369225	2	83118030	0.51
snp45-scaffold10-301476	14	5884085	0.51
snp12219-scaffold1455-237507	8	86119415	0.51
snp48635-scaffold690-3931116	6	101133528	0.51
snp44321-scaffold603-2275617	4	13847341	0.51
snp25878-scaffold267-791378	13	35683645	0.51
snp54712-scaffold837-1472937	15	55428873	0.51
snp4870-scaffold1163-240403	19	16158606	0.51
snp16834-scaffold1762-376087	19	14211483	0.51
snp59938-scaffold998-379875	14	50190150	0.51
snp50560-scaffold727-457111	16	36354745	0.51
snp21377-scaffold2085-181875	6	9705253	0.51
snp24707-scaffold2522-205328	4	115537623	0.51
snp9278-scaffold1337-856324	14	87561818	0.51
snp6606-scaffold1236-218377	3	38821456	0.51
snp24981-scaffold257-500532	3	62176284	0.51
snp58100-scaffold94-5714186	6	68612251	0.51
snp8581-scaffold131-188064	16	58229613	0.51
snp24035-scaffold2445-61247	19	61809657	0.51
snp27044-scaffold2876-113158	4	111367291	0.51
snp18485-scaffold187-818705	15	67577635	0.51
snp49071-scaffold7-4626335	13	27765659	0.51
snp21983-scaffold2163-92927	1	148574464	0.51
snp37593-scaffold460-593855	3	31012777	0.51
snp3314-scaffold1101-583094	19	53993390	0.51
snp9474-scaffold1342-389525	22	11685228	0.51
snp15097-scaffold1612-160415	21	23284045	0.51
snp20496-scaffold202-5689643	2	35466386	0.51
snp13584-scaffold1525-1401917	24	60137790	0.51
snp6608-scaffold1236-307900	3	38910979	0.51
snp49292-scaffold703-3226008	10	11111208	0.51
snp4997-scaffold117-468425	4	45844814	0.50
snp6731-scaffold1244-1159993	1	145623967	0.50
snp48852-scaffold697-490687	12	490687	0.50
snp51851-scaffold762-973954	27	38618461	0.50
snp2980-scaffold1090-426157	14	86507117	0.50
snp24576-scaffold25-654894	8	18469829	0.50
snp37554-scaffold46-2356397	1	150963379	0.50
snp58850-scaffold962-779212	8	108461434	0.50
snp19517-scaffold197-1228293	1	16949442	0.50
snp47556-scaffold67-2509157	26	33460261	0.50
snp47926-scaffold675-2511728	3	27745989	0.50
snp1204-scaffold1030-2806089	16	40168133	0.50

TABLE S1: PER MARKER F_{ST} OF LIMPOPO VERSUS COMMERCIAL GOAT POPULATIONS (BOER, KALAHARI RED AND SAVANNA) (Continued).

Marker	Chromosome	Position	Overall F_{ST}
snp3631-scaffold1113-569475	2	118937355	0.50
snp22448-scaffold222-592606	3	37831940	0.50
snp7559-scaffold127-7689826	2	114513193	0.50
snp43245-scaffold575-2442204	20	15338018	0.50
snp2849-scaffold1083-1170933	29	26830357	0.50
snp52100-scaffold770-280654	3	55911849	0.50
snp43678-scaffold585-2123504	8	77002820	0.50
snp18323-scaffold1859-142506	4	101116125	0.50
snp37566-scaffold46-2847203	1	150472573	0.50
snp43426-scaffold579-2901105	9	62918320	0.50
snp57337-scaffold913-116322	20	6736508	0.50
snp53148-scaffold799-4952512	29	36982332	0.50
snp23078-scaffold230-4075893	1	129115113	0.50
snp42217-scaffold552-702040	4	29001121	0.50
snp43420-scaffold579-2665013	9	63154412	0.50
snp16819-scaffold1760-792895	6	34149710	0.50
snp19565-scaffold1972-170066	8	64915462	0.50
snp10545-scaffold1376-836918	8	73764143	0.50
snp39943-scaffold51-2086104	21	43464109	0.50
snp14653-scaffold1591-11752	20	10250412	0.50
snp49562-scaffold707-984535	12	5423076	0.50
snp28378-scaffold303-778163	19	30300499	0.50
snp38265-scaffold481-1325071	12	39291905	0.50
snp5857-scaffold1205-1567307	4	104027520	0.50
snp26280-scaffold275-2529043	27	16999410	0.50
snp37877-scaffold467-324567	18	28726857	0.50
snp14229-scaffold1568-1742714	1	49698034	0.50
snp46884-scaffold654-687586	3	33521333	0.50
snp35864-scaffold430-5797314	2	43678657	0.50
snp44223-scaffold600-1806927	8	16641915	0.50
snp14830-scaffold1599-1502937	16	48770810	0.50
snp26810-scaffold2812-54948	17	71753047	0.50
snp29546-scaffold320-1004575	1	147476863	0.50
snp31410-scaffold348-473653	13	75402212	0.50
snp54085-scaffold824-508008	11	57758024	0.50
snp29097-scaffold312-6531765	2	59499927	0.50
snp22959-scaffold2290-863164	9	72698675	0.50
snp14756-scaffold1594-1418947	19	42762578	0.50
snp18964-scaffold191-352435	21	44554758	0.50
snp11368-scaffold1412-75843	20	64187922	0.50
snp29110-scaffold312-7006367	2	59025325	0.50
snp4073-scaffold1128-815079	19	61680359	0.50
snp37594-scaffold460-625087	3	30981545	0.50

TABLE S1: PER MARKER F_{ST} OF LIMPOPO VERSUS COMMERCIAL GOAT POPULATIONS (BOER, KALAHARI RED AND SAVANNA) (Continued).

Marker	Chromosome	Position	Overall F_{ST}
snp40795-scaffold522-1640755	3	2395582	0.50
snp30977-scaffold342-657656	20	62286132	0.50
snp6928-scaffold1252-766503	2	53795934	0.50
snp56441-scaffold887-660137	11	91400365	0.50
snp15573-scaffold1648-8706	8	74609866	0.49
snp18467-scaffold187-107344	15	68288996	0.49
snp43883-scaffold593-555448	5	92956576	0.49
snp24783-scaffold2537-54961	24	46971036	0.49
snp36100-scaffold431-8526387	12	54993641	0.49
snp28961-scaffold312-1068960	2	64962732	0.49
snp45094-scaffold614-5003260	2	50597421	0.49
snp48873-scaffold698-35481	5	101043075	0.49
snp21988-scaffold2163-296961	1	148778498	0.49
snp875-scaffold1023-1092590	18	12294874	0.49
snp26087-scaffold2713-4612	28	1073340	0.49
snp19158-scaffold1927-418254	28	5836531	0.49
snp876-scaffold1023-1124568	18	12262896	0.49
snp23097-scaffold2300-636007	19	51766960	0.49
snp55800-scaffold865-861913	3	3346505	0.49
snp59349-scaffold978-75724	8	27401137	0.49
snp3650-scaffold1113-1281732	2	118225098	0.49
snp8423-scaffold1304-437108	9	71398304	0.49
snp39262-scaffold5-4037271	9	87442804	0.49
snp46918-scaffold654-2139845	3	34973592	0.49
snp30755-scaffold34-2405052	27	4053757	0.49
snp45013-scaffold614-1411491	2	47005652	0.49
snp38015-scaffold473-1602	10	724985	0.49
snp39229-scaffold5-2630513	9	86036046	0.49
snp52227-scaffold774-1069944	26	43544416	0.49
snp37581-scaffold460-60946	3	31545686	0.49
snp21985-scaffold2163-176087	1	148657624	0.49
snp25874-scaffold267-608206	13	35866817	0.49
snp51796-scaffold761-3779442	23	17788158	0.49
snp46873-scaffold654-255687	3	33089434	0.49
snp2898-scaffold1089-14390	21	7752366	0.49
snp54709-scaffold837-1316009	15	55585801	0.49
snp53120-scaffold799-3757571	29	35787391	0.49
snp27759-scaffold296-1451339	24	10826970	0.49
snp51793-scaffold761-3632159	23	17935441	0.49
snp59598-scaffold984-174399	27	1474207	0.49
snp16363-scaffold1725-377372	4	106810114	0.49
snp55890-scaffold869-872860	16	30770826	0.49
snp52683-scaffold79-643284	17	38833045	0.49

TABLE S1: PER MARKER F_{ST} OF LIMPOPO VERSUS COMMERCIAL GOAT POPULATIONS (BOER, KALAHARI RED AND SAVANNA) (Continued).

Marker	Chromosome	Position	Overall F_{ST}
snp3727-scaffold112-2830032	16	61247808	0.49
snp45173-scaffold615-716066	29	4589925	0.49
snp2700-scaffold1077-1462879	1	17997133	0.49
snp27726-scaffold296-44969	24	12233340	0.49
snp27363-scaffold2909-534802	25	35883611	0.49
snp48858-scaffold697-798668	12	798668	0.48
snp47961-scaffold675-4086912	3	29321173	0.48
snp25688-scaffold2643-302205	6	100221994	0.48
snp51547-scaffold755-2025740	14	58464136	0.48
snp22557-scaffold2234-91230	28	34135143	0.48
snp39338-scaffold50-3397424	11	85214205	0.48
snp39574-scaffold503-1642278	13	20498592	0.48
snp28998-scaffold312-2532791	2	63498901	0.48
snp45115-scaffold614-5959885	2	51554046	0.48
snp59610-scaffold984-659534	27	989072	0.48
snp6919-scaffold1252-402562	2	54159875	0.48
snp11043-scaffold1397-168754	26	45044886	0.48
snp24257-scaffold247-2817828	11	40170961	0.48
snp37587-scaffold460-329756	3	31276876	0.48
snp47889-scaffold675-869966	3	26104227	0.48
snp50070-scaffold717-5767	12	20390708	0.48
snp9228-scaffold1336-706342	12	74667258	0.48
snp34910-scaffold416-1842737	14	56546498	0.48
snp13835-scaffold154-1774580	22	32238031	0.48
snp21095-scaffold2064-368839	24	33569985	0.48
snp18977-scaffold191-950185	21	45152508	0.48
snp39551-scaffold503-611213	13	19467527	0.48
snp40453-scaffold516-2219743	15	74404703	0.48
snp23676-scaffold239-1132860	25	22518599	0.48
snp35932-scaffold431-890549	12	47357803	0.48
snp1652-scaffold1047-501348	3	54252378	0.48
snp25318-scaffold261-144290	3	32631342	0.48
snp10357-scaffold1370-1004058	14	51574182	0.48
snp50994-scaffold74-20766	20	16141935	0.48
snp24971-scaffold257-12862	3	61688614	0.48
snp23088-scaffold2300-193213	19	51324166	0.48
snp36231-scaffold433-1813258	6	81547288	0.48
snp29414-scaffold318-1726074	9	52044293	0.48
snp12917-scaffold1499-1168513	8	67359020	0.48
snp59014-scaffold968-2234884	6	28316337	0.48
snp51527-scaffold755-1142258	14	59347618	0.48
snp11900-scaffold144-2597601	3	69056471	0.48
snp35175-scaffold421-690233	24	30014500	0.48

TABLE S1: PER MARKER F_{ST} OF LIMPOPO VERSUS COMMERCIAL GOAT POPULATIONS (BOER, KALAHARI RED AND SAVANNA) (Continued).

Marker	Chromosome	Position	Overall F_{ST}
snp52795-scaffold791-1550168	14	54200880	0.48
snp41314-scaffold537-1789481	19	57420837	0.48
snp30577-scaffold339-825223	7	42226561	0.48
snp20869-scaffold205-812586	16	46223214	0.48
snp19562-scaffold1972-48462	8	64793858	0.48
snp47376-scaffold666-1300349	5	89441075	0.48
snp2080-scaffold1063-787508	8	105911235	0.48
snp42848-scaffold57-236572	15	63026815	0.48
snp31825-scaffold356-1113129	8	99451367	0.48
snp41712-scaffold543-13848	3	102804714	0.48
snp42930-scaffold57-3599324	15	59664063	0.48
snp47681-scaffold670-1271342	2	124768983	0.48

TABLE S2: GENE AND GENE DESCRIPTIONS HARBOURING SNPS WITH $F_{ST} > 0.47$

Gene	Gene description
ABCD4	ATP binding cassette subfamily D member 4
ACSBG1	acyl-CoA synthetase bubblegum family member 1
ADRA1A	adrenoceptor alpha 1A
APIP	APAF1 interacting protein
APTX	aprataxin
ARFGEF3	ARFGEF family member 3
ARHGAP15	Rho GTPase activating protein 15
ARHGAP17	Rho GTPase activating protein 17
ARHGAP24	Rho GTPase activating protein 24
ARHGAP25	Rho GTPase activating protein 25
ARHGAP42	Rho GTPase activating protein 42
ASTN2	astrotactin 2
AXIN2	axin 2
BAZ1A	bromodomain adjacent to zinc finger domain 1A
BNC2	basonuclein 2
BRCA1	BRCA1 DNA repair associated
BRINP1	BMP/retinoic acid inducible neural specific 1
C8A	complement C8 alpha chain
CACNA1E	voltage-dependent R-type calcium channel subunit alpha-1E
CARF	calcium responsive transcription factor
CAST	calpastatin
CCSER1	coiled-coil serine rich protein 1
CDH20	cadherin 20
CEP112	centrosomal protein 112
CEP128	centrosomal protein 128
CFAP61	cilia and flagella associated protein 61
CNGB3	cyclic nucleotide gated channel subunit beta 3
CNTNAP5	contactin associated protein like 5
CRB2	crumbs cell polarity complex component 2
CTNNA3	catenin alpha 3
CTNND2	catenin delta 2
CUBN	cubilin
CUX1	cut like homeobox 1
DDX52	DExD-box helicase 52
DENND1A	DENN domain containing 1A
DNAH10	dynein axonemal heavy chain 10
DNAH7	dynein axonemal heavy chain 7
DNAH9	dynein axonemal heavy chain 9
DOCK7	dedicator of cytokinesis 7
DOP1A	DOP1 leucine zipper like protein A
DST	dystonin
EFCAB2	EF-hand calcium binding domain 2
EFCAB7	EF-hand calcium binding domain 7

TABLE S2: GENE AND GENE DESCRIPTIONS HARBOURING SNPS WITH $F_{ST} > 0.47$ (Continued)

Gene	Gene description
EPHA5	EPH receptor A5
ESR2	estrogen receptor 2
ETFA	electron transfer flavoprotein subunit alpha
FANCA	FA complementation group A
FANCC	FA complementation group C FERM, ARH/RhoGEF and pleckstrin domain protein 1
FGGY	FGGY carbohydrate kinase domain containing
FLT1	fms related tyrosine kinase 1
FRMD4A	FERM domain containing 4A
FRMD4B	FERM domain containing 4B
GLDC	glycine decarboxylase
GLI2	GLI family zinc finger 2
GPAM	glycerol-3-phosphate acyltransferase, mitochondrial
GTF3C3	general transcription factor IIIC subunit 3
HDAC4	histone deacetylase 4
IDH3A	isocitrate dehydrogenase (NAD(+)) 3 catalytic subunit alpha
INVS	inversin
JKAMP	JNK1/MAPK8 associated membrane protein
KAT14	lysine acetyltransferase 14
KATNAL2	katanin catalytic subunit A1 like 2
LAMA2	laminin subunit alpha 2
LEXM	lymphocyte expansion molecule
LHX6	LIM homeobox 6
MALRD1	MAM and LDL receptor class A domain containing 1
MEF2C	myocyte enhancer factor 2C
MFN2	mitofusin 2
MMEL1	membrane metalloendopeptidase like 1
MORN1	MORN repeat containing 1
MORN5	MORN repeat containing 5
MRC1	mannose receptor C-type 1
MRRF	mitochondrial ribosome recycling factor
MTUS2	microtubule associated scaffold protein 2
NDST3	N-deacetylase and N-sulfotransferase 3
NFIA	nuclear factor I A
NKAIN3	sodium/potassium transporting ATPase interacting 3
NKD1	NKD inhibitor of WNT signaling pathway 1
NRG1	neuregulin 1
NUCB1	nucleobindin 1
OCLN	occludin
OGFR	opioid growth factor receptor
PALM2AKAP2	A-kinase anchoring protein 2

TABLE S2: GENE AND GENE DESCRIPTIONS HARBOURING SNPS WITH $F_{ST} > 0.47$ (Continued)

Gene	Gene description
PCOLCE2	procollagen C-endopeptidase enhancer 2
PDE5A	phosphodiesterase 5A
PIK3C2G	phosphatidylinositol-4-phosphate 3-kinase catalytic subunit type 2 gamma
PRDM5	PR/SET domain 5
PRKAA2	protein kinase AMP-activated catalytic subunit alpha 2
PROSER2	proline and serine rich 2
PTPRB	protein tyrosine phosphatase receptor type B
PTPRO	protein tyrosine phosphatase receptor type O
RAPGEF2	Rap guanine nucleotide exchange factor 2
RARA	retinoic acid receptor alpha
RASAL2	RAS protein activator like 2
RASSF3	Ras association domain family member 3
RBP1	retinol binding protein 1
RNF157	ring finger protein 157
RNF17	ring finger protein 17
RNF180	ring finger protein 180
RPS6KA2	ribosomal protein S6 kinase A2
RPS6KA5	ribosomal protein S6 kinase A5
RPTOR	regulatory associated protein of MTOR complex 1
SASH1	SAM and SH3 domain containing 1secretagoin, EF-hand calcium binding protein
SEC24D	SEC24 homolog D, COPII coat complex component
SEMA5A	semaphorin 5A
SERGEF	secretion regulating guanine nucleotide exchange factor
SH2B3	SH2B adaptor protein 3
SLC17A1	solute carrier family 17 member 1
SLC2A12	solute carrier family 2 member 12
SLC2A13	solute carrier family 2 member 13
SLC39A11	solute carrier family 39 member 11
SMU1	SMU1DNA replication regulator and spliceosomal factor
SPATA1	spermatogenesis associated 1
SPATS2L	spermatogenesis associated serine rich 2 like
ST6GALNAC5	ST6 N-acetylgalactosaminide alpha-2,6-sialyltransferase 5
SYNPO2	synaptopodin 2
TCF7L2	transcription factor 7 like 2
THRB	thyroid hormone receptor beta
TMEM241	transmembrane protein 241
TTLL2	unc-93 homolog A
TXNDC8	thioredoxin domain containing 8
UCP2	uncoupling protein 2
UHRF2	ubiquitin like with PHD and ring finger domains 2
UPF2	UPF2 regulator of nonsense mediated mRNA decay

TABLE S2: GENE AND GENE DESCRIPTIONS HARBOURING SNPS WITH $F_{ST} > 0.47$ (Continued)

Gene	Gene description
VWA8	von Willebrand factor A domain containing 8
WASHC5	WASH complex subunit 5
WDR63	WD repeat domain 63
WWP1	WW domain containing E3 ubiquitin protein ligase 1
XKR4	XK related 4
XYLB	xylulokinase
ZNF385B	zinc finger protein 385B
ZNF385D	zinc finger protein 385D

TABLE S3: KEGG PATHWAYS FOR F_{ST} ANALYSIS (LIMPOPO POPULATIONS VERSUS COMMERCIAL GOAT POPULATIONS)

KEGG ID	KEGG Pathway
chx00020	Citrate cycle (TCA cycle)
chx00040	Pentose and glucuronate interconversions
chx00061	Fatty acid biosynthesis
chx00071	Fatty acid degradation
chx00230	Purine metabolism
chx00260	Glycine, serine and threonine metabolism
chx00270	Cysteine and methionine metabolism
chx00561	Glycerolipid metabolism
chx00562	Inositol phosphate metabolism
chx00564	Glycerophospholipid metabolism
chx00630	Glyoxylate and dicarboxylate metabolism
chx01100	Metabolic pathways
chx01200	Carbon metabolism
chx01212	Fatty acid metabolism
chx01230	Biosynthesis of amino acids
chx01521	EGFR tyrosine kinase inhibitor resistance
chx01522	Endocrine resistance
chx01524	Platinum drug resistance
chx02010	ABC transporters
chx03013	RNA transport
chx03015	mRNA surveillance pathway
chx03320	PPAR signaling pathway
chx03440	Homologous recombination
chx03460	Fanconi anemia pathway
chx04010	MAPK signaling pathway
chx04012	ErbB signaling pathway
chx04014	Ras signaling pathway
chx04015	Rap1 signaling pathway
chx04020	Calcium signaling pathway
chx04022	cGMP-PKG signaling pathway
chx04024	cAMP signaling pathway
chx04066	HIF-1 signaling pathway
chx04068	FoxO signaling pathway
chx04070	Phosphatidylinositol signaling system
chx04080	Neuroactive ligand
chx04114	Oocyte meiosis
chx04120	Ubiquitin mediated proteolysis
chx04141	Protein processing in endoplasmic reticulum
chx04144	Endocytosis
chx04145	Phagosome
chx04146	Peroxisome
chx04150	mTOR signaling pathway
chx04152	AMPK signaling pathway

TABLE S3: KEGG PATHWAYS FOR F_{ST} ANALYSIS (LIMPOPO POPULATIONS VERSUS COMMERCIAL GOAT POPULATIONS (Continued))

KEGG ID	KEGG Pathway
chx04211	Longevity regulating pathway
chx04213	Longevity regulating pathway
chx04261	Adrenergic signaling in cardiomyocytes
chx04270	Vascular smooth muscle contraction
chx04310	Wnt signaling pathway
chx04340	Hedgehog signaling pathway
chx04360	Axon guidance
chx04371	Apelin signaling pathway
chx04390	Hippo signaling pathway
chx04510	Focal adhesion
chx04514	Cell adhesion molecules (CAMs)
chx04520	Adherens junction
chx04530	Tight junction
chx04550	Signaling pathways regulating pluripotency of stem cells
chx04610	Complement and coagulation cascades
chx04659	Th17 cell differentiation
chx04668	TNF signaling pathway
chx04670	Leukocyte transendothelial migration
chx04710	Circadian rhythm
chx04713	Circadian entrainment
chx04714	Thermogenesis
chx04722	Neurotrophin signaling pathway
chx04910	Insulin signaling pathway
chx04915	Estrogen signaling pathway
chx04916	Melanogenesis
chx04917	Prolactin signaling pathway
chx04919	Thyroid hormone signaling pathway
chx04920	Adipocytokine signaling pathway
chx04921	Oxytocin signaling pathway
chx04922	Glucagon signaling pathway
chx04928	Parathyroid hormone synthesis, secretion and action
chx04929	GnRH secretion
chx04930	Type II diabetes mellitus
chx04931	Insulin resistance
chx04934	Cushing syndrome
chx04970	Salivary secretion
chx04977	Vitamin digestion and absorption
chx05010	Alzheimer disease
chx05016	Huntington disease
chx05020	Prion diseases
chx05034	Alcoholism
chx05100	Bacterial invasion of epithelial cells
chx05132	Salmonella infection
chx05135	Yersinia infection
chx05145	Toxoplasmosis

TABLE S3: KEGG PATHWAYS FOR F_{ST} ANALYSIS (LIMPOPO POPULATIONS VERSUS COMMERCIAL GOAT POPULATIONS (Continued))

KEGG ID	KEGG Pathway
chx05146	Amoebiasis
chx05152	Tuberculosis
chx05160	Hepatitis C
chx05165	Human papillomavirus infection
chx05200	Pathways in cancer
chx05202	Transcriptional misregulation in cancer
chx05203	Viral carcinogenesis
chx05206	MicroRNAs in cancer
chx05210	Colorectal cancer
chx05213	Endometrial cancer
chx05215	Prostate cancer
chx05216	Thyroid cancer
chx05217	Basal cell carcinoma
chx05219	Bladder cancer
chx05221	Acute myeloid leukemia
chx05222	Small cell lung cancer
chx05224	Breast cancer
chx05225	Hepatocellular carcinoma
chx05226	Gastric cancer
chx05322	Systemic lupus erythematosus
chx05323	Rheumatoid arthritis
chx05410	Hypertrophic cardiomyopathy (HCM)
chx05412	Arrhythmogenic right ventricular cardiomyopathy (ARVC)
chx05414	Dilated cardiomyopathy (DCM)
chx05416	Viral myocarditis
chx05418	Fluid shear stress and atherosclerosis