

Appendix A. Base pair (bp) position of each marker and its updated location from each study according to the *SusScrofa 11.1* genome

Article (Publication Year)	Trait	Significant SNPs*	Significant SNPs/ Window*	Chr	Position in bp/start-end	
SCHNEIDER, J. F. <i>et al.</i> (2012b)	Litter size (total number of births)	ALGA0003995 - ASGA0003261	rs80857181-rs80792488	1	65859940-66008742	
		H3GA0002152 - ALGA0004616	rs80930310-rs80863768	1	81162933-81298640	
		ALGA0006800 - H3GA0003227	rs80924552-rs80855587	1	166157100-166253306	
		ASGA0020028 - ALGA0025638	rs80861851-rs80790800	4	68405539-68526487	
		INRA0017183 - ALGA0028846	rs327792482rs80814124	4	119756297-119894490	
		H3GA0014773 - H3GA0014777	rs80796077-rs80911038	4	125520514-125634311	
		H3GA0036836 - MARC0070868	rs81446745-rs81257862	13	73484931-73681799	
		H3GA0043093 -ALGA0082895	rs80820565-rs80938555	14	135029058-135138873	
		ASGA0068810 - ALGA0084180	rs81451536-rs81451569	15	17425392-17511175	
		ALGA0087190 -MARC0013651	rs81454802-rs81283437	15	17425392-17511175	
LEE Jae-Bong <i>et al.</i> (2014)	Number of teats	BGIS0000777 - MARC0028327	rs80999319-rs80856476	17	26793875-26936069	
		INRA0026190	rs325548834	7	58684761	58734761
		ASGA0034209	rs80799165	7	55314681	55364681
		ASGA0034210	rs80997276	7	55329208	55379208
		ASGA0034212	rs80998243	7	55350089	55400089
		ALGA0042155	rs80850402	7	53527164	53577164
		ALGA0041772	rs80892095	7	48887021	48937021
		ALGA0042236	rs80941701	7	57228770	57278770
		M1GA0010442	rs80980998	7	57618064	57668064
		H3GA0021970	rs80956245	7	61362991	61412991
		ALGA0040834	rs80927408	7	37089711	37139711
		ALGA0041864	rs80866106	7	49676643	49726643

		MARC0037028	rs80938218	7	54303408	54353408
		ALGA0041880	rs80994093	7	49887262	49937262
		ALGA0042164	rs80978578	7	53934736	53984736
		H3GA0055560	rs81313752	7	49488468	49538468
		H3GA0021922	rs80812026	7	57859610	57909610
		ALGA0042219	rs80783136	7	56195091	56245091
		MARC0036528	rs80866136	7	56540760	56590760
		H3GA0021824	rs80835332	7	52220781	52270781
		ALGA0041830	rs80955430	7	49361905	49411905
		ASGA0034188	rs80810505	7	54058179	54108179
		ASGA0034207	rs80934579	7	55272636	55322636
		ASGA0033116	rs80863194	7	38057569	38107569
		DIAS0000557	rs340724313	7	38040482	38090482
		ASGA0032121	rs80817645	7	25350432	25400432
		H3GA0022387	rs80952831	7	88788413	88838413
		H3GA0021654	rs80973703	7	49209301	49259301
		MARC0094436	rs80928313	7	88927866	88977866
		ALGA0039828	rs81397554	7	25698413	25748413
		ALGA0039995	rs80949993	7	27620599	27670599
		ASGA0035196	rs80837737	7	89906066	89956066
		M1GA0010466	rs81002397	7	66235836	66285836
		H3GA0022058	rs80786023	7	74216634	74266634
		ALGA0039998	rs80982314	7	27670833	27720833
		SIRI0001104	rs323482957	7	26902445	26952445
		ALGA0115197	rs81344373	7	27504926	27554926
ARAKAWA, A. <i>et al.</i> (2015)	Number of teats	M1GA0000672	rs80852727	1	7386032	9386032
		INRA0000573	rs330524896	1	-	

ASGA0000947	rs80944993	1	8698458	10698458
M1GA0025051	rs81345239	5	307404	2307404
H3GA0054097	rs81326091	2	4417371	6417371
DIAS0004764	rs81212582	2	-	
MARC0028568	rs81223656	2	132387743	134387743
ASGA0020639	rs80790768	4	85750350	87750350
ALGA0033467	rs81386247	5	88340608	90340608
ALGA0033481	rs81386275	5	88314959	90314959
MARC0046293	rs81237536	6	168413246	170413246
ASGA0035687	rs80791280	7	99576091	101576091
ALGA0044141	rs80824040	7	99890616	101890616
ASGA0035707	rs80907459	7	99905778	101905778
MARC0033066	rs81225459	7	104438258	106438258
INRA0027974	rs320864456	7	104585946	106585946
ALGA0044384	rs80849681	7	104990032	106990032
ALGA0108906	rs81336887	8	-	
ALGA0056895	rs81428885	10	7616271	9616271
ALGA0071614	rs80998689	13	99056990	101056990
MARC0079499	rs80927945	14	86794	2086794
ALGA0083119	rs80967061	14	136125011	138125011
M1GA0020245	rs81452440	15	31857948	33857948
H3GA0054274	rs81327823	15	119165618	121165618
BGIS0003381	rs80916624	15	119322912	121322912
ASGA0082208	rs81330096	16	25576665	27576665
ALGA0107886	rs81335705	16	26154104	28154104
H3GA0054972	rs81308319	16	26155685	28155685
ALGA0091362	rs81461438	16	65439144	67439144

SELL-KUBIAK, E. <i>et al.</i> (2015)	Litter size (total number of births)	ALGA0001244	rs80787893	1	14837534	14901534
		ASGA0005117	rs80912860	1	164605575	164669575
		ALGA0006771	rs80956812	1	164642664	164706664
		ASGA0023713	rs81385465	5	4099296	4163296
		ASGA0097249	rs81317149	8	127058631	127122631
		ASGA0050328	rs80989787	11	23330846	23394846
		MARC0020561	rs81289355	11	23378214	23442214
		ASGA0059543	rs81441751	13	182419198	182483198
		ALGA0098906	rs81471381	18	53640799	53704799
		INRA0056201	rs332595701	18	53665787	53729787
		ALGA0106652	rs81334204	2	24838278	24902278
		MARC0056802	rs81246770	3	27684152	27748152
		INRA0025193	rs322798993	7	38227165	38291165
		ASGA0031511	rs80967111	7	16529623	16593623
		H3GA0055101	rs81477531	3	22591689	22655689
		MARC0015344	rs81284839	3	22602887	22666887
		MARC0077161	rs81262581	15	330553175	30617175
VERARDO, L, L. <i>et al.</i> (2015)	Number of teats	ALGA0001557	rs80866387	1	19305798	19355798
		ALGA0004074	rs81354626	1	66945456	66995456
		ALGA0004774	rs80948642	1	-	
		ALGA0007908	rs80833195	1	216407260	216457260
		ALGA0010677	rs80854009	1	269445717	269495717
		ALGA0024439	rs80839853	4	32043390	32093390
		ALGA0026100	rs80880668	4	76992214	77042214
		ALGA0027472	rs80962651	4	102482195	102532195
		ALGA0027647	rs80814877	4	104547413	104597413
		ALGA0028649	rs80880920	4	117821324	117871324

		ALGA0039880	rs80928470	7	26476975	26526975
		ALGA0043403	rs80885012	7	113590903	113640903
		ALGA0044983	rs80885012	7	-	
		ALGA0045990	rs80887381	7	-	
		ALGA0048133	rs81401181	8	71488132	71538132
		ALGA0093254	rs80974153	17	12336530	12386530
		ALGA0094092	rs80961140	17	27605468	27655468
		ALGA0094911	rs80786594	17	38362643	38412643
		ASGA0080951	rs80832318	x	-	
VERARDO, L.L. <i>et al.</i> (2016a)	Number of teats		rs81315654	2	61597255	61661255
			rs81359543	2	62422603	62486603
			rs81313662	3	117576131	117640131
			rs80927102	4	65446975	65510975
			rs80941360	4	65460314	65524314
			rs81289055	6	4908996	4972996
			rs81391450	6	129951927	130015927
			rs326585396	6	132097602	132161602
			rs330537172	7	23200354	23264354
			rs80970707	7	34867140	34931140
			rs80915173	7	35303003	35367003
			rs80914674	7	97115161	97179161
			rs80894106	7	97620632	97684632
			rs81396056	7	97700109	97764109
			rs338741094	7	97720476	97784476
			rs80804788	7	98123866	98187866
			rs80937353	7	98476334	98540334
			rs81317665	7	98563714	98627714

rs81477007	8	39637734	39701734
rs81275887	8	76174001	76238001
rs81401729	8	79386372	79450372
rs81401737	8	79422173	79486173
rs81408870	9	32106847	32170847
rs81269393	9	112563729	112627729
rs81330805	10	4747773800	47837800
rs81251994	10	447776917	47840917
rs81287524	10	47870144	47934144
rs81427656	10	66031807	66095807
rs81312218	10	66404419	66468419
rs80986627	11	74176836	74240836
rs81435490	12	42941537	43005537
rs81325121	12	51216940	51280940
rs81455614	15	129131734	129195734
rs80869132	15	134255954	134319954
rs81478953	15	134785758	134849758
rs81297657	16	33828440	33892440
rs81471668	18	13090721	13154721
rs81468453	18	8468155	8532155
rs81319271	18	45123001	45187001
rs81297251	18	-	
rs81311388	18	46270096	46334096

VERARDO, L.L. <i>et al.</i> (2016b)	Number of teats	ALGA0004864	rs80803106	1	88815181	88880181
		ALGA0012925	rs81356964	2	31537121	31602121
		ALGA0012930	rs81356978	2	31627706	31692706
		ALGA0013045	rs81357308	2	36938072	37003072

MARC0055904	rs81245977	2	37085207	37150207
ASGA0032215	rs80863327	7	27074591	27139591
H3GA0020592	rs80793059	7	27189285	27254285
MARC0010879	rs81261651	7	27353932	27418932
MARC0098266	rs80792311	7	27486766	27551766
ALGA0039995	rs80949993	7	27588099	27653099
ALGA0040000	rs80901567	7	27675275	27740275
ASGA0032254	rs80840372	7	27707281	27772281
ASGA0032255	rs80813545	7	27732868	27797868
MARC0043689	rs80832123	7	27793707	27858707
INRA0024655	rs339631026	7	27854252	27919252
ASGA0032266	rs81397595	7	28083345	28148345
ALGA0040040	rs80939400	7	28407398	28472398
ASGA0034811	rs80841221	7	85093360	85158360
H3GA0022644	rs80914674	7	97114661	97179661
MARC0038565	rs80894106	7	97620132	97685132
MARC0048752	rs81238639	7	9791416	97979166
M1GA0010654	rs80864705	7	97921758	97986758
ALGA0043962	rs80929215	7	97941360	98006360
H3GA0022664	rs80813473	7	98034411	98099411
ASGA0035527	rs80836267	7	98056786	98121786
DIAS0001088	rs344583258	7	-	
M1GA0010658	rs80804788	7	98123366	98188366
ASGA0035536	rs80846252	7	98231673	98296673
ALGA0122954	rs81317665	7	98563214	98628214
ASGA0035556	rs80824792	7	99146975	99211975
MARC0093074	rs81273304	8	47836097	47901097

H3GA0024861	rs81400416	8	47891160	47956160
H3GA0024862	rs81400419	8	47921194	47986194
H3GA0024868	rs81400447	8	48040699	48105699
H3GA0052920	rs81336012	8	48064051	48129051
ASGA0038804	rs81400451	8	48097641	48162641
MARC0077695	rs81262192	8	51012483	51077483
ALGA0047895	rs81400568	8	52426298	52491298
H3GA0024880	rs81400566	8	52448208	52513208
H3GA0024879	rs81400563	8	52527516	52592516
ALGA0047896	rs81400572	8	52793395	52858395
ASGA0038818	rs81400579	8	52853952	52918952
H3GA0024884	rs81400596	8	53329250	53394250
ASGA0038820	rs81400593	8	53299518	53364518
H3GA0024882	rs81400590	8	53277753	53342753
ASGA0038822	rs81400598	8	53389002	53454002
ALGA0047901	rs81400604	8	53348419	53413419
MARC0013221	rs81268940	8	53707300	53772300
INRA0029832	rs320830229	8	55056953	55121953
ALGA0047932	rs81400676	8	54966094	55031094
ALGA0047933	rs81400677	8	54894462	54959462
M1GA0011944	rs81400688	8	54710618	54775618
MARC0000554	rs81237575	8	63165975	63230975
ASGA0085207	rs81347727	8	64883083	64948083
MARC0020237	rs81288680	8	64878646	64943646
MARC0095739	rs81274118	8	64802707	64867707
ALGA0103392	rs81330376	8	64802269	64867269
ALGA0102491	rs81329315	8	64910064	64975064

		ALGA0066725	rs81436058	12	48481285	48546285
		ASGA0054883	rs81436069	12	48559344	48624344
		MARC0027202	rs81222394	12	48687215	48752215
		ALGA0066740	rs81436118	12	48779298	48844298
		DIAS0001557	rs328962961	12	53454025	53519025
		ASGA0062949	rs80861740	14	41140136	41205136
CHALKIAS, H. <i>et al.</i> (2017)	Number of teats	ASGA0105179	rs81305262	6	17503028	17567028
		ASGA0102674	rs81324044	6	17548878	17612878
		MARC0043725	rs81235831	8	16633466	16697466
		ASGA0038917	rs81401083	8	69772705	69836705
		H3GA0024944	rs80833401	8	70004824	70068824
		DIAS0002150	rs81216908	8	68314526	68378526
		ASGA0096380	rs81477568	10	56705409	56769409
		ALGA0067420	rs81443715	13	1999238	2063238
		MARC0057998	rs80866528	14	130740924	130804924
		ASGA0067411	rs81449961	14	133053632	133117632
WANG, Y. <i>et al.</i> (2018)	Litter size (total number of births)	WU_10.2_2_162527469	rs328177895	2	-	
		WU_10.2_3_44631648	rs334867206	3	42312168	44312168
		WU_10.2_3_44862084	rs319494663	3	42463318	44463318
		ALGA0098819	rs81471172	18	-	
ZHOU, L. <i>et al.</i> (2019)	Number of teats		rs80873745	13	1005953	3005953
			rs336814005	X	8651151	10651151
JIANG, Y. <i>et al.</i> (2020)	Litter size (total number of births)	ALGA0094112	rs80809156	17	27384015	28384015
		WU_10.2_1_11153176	rs337636958	1	8532844	9532844
		MARC0081527	rs81264731	6	80117330	81117330
		WU_10.2_4_80076056	rs326956992	4	72928123	73928123

ALGA0113046	rs81341731	2	12342137	13342137
H3GA0015463	rs80854359	5	9363427	10363427
WU_10.2_4_80076056	rs326956992	4	72928123	73928123
WU_10.2_12_17971455	rs336953317	12	458968	541032
WU_10.2_7_130172562	rs326629605	7	37474	1037474
WU_10.2_1_11153176	rs337636958	1	8532844	9532844
H3GA0021245	rs80873337	7	38323945	39323945
MARC0022141	rs80938016	1	500000	500000
ALGA0012964	rs81357084	2	32299355	33299355
ALGA0054421	rs81415077	9	104125702	105125702
ASGA0037579	rs81399251	8	5203865	6203865
ASGA0082366	rs81331013	9	46537744	47537744
ALGA0113046	rs81341731	2	12342137	13342137
ASGA0104976	rs81305039	12	115992539	232485078
H3GA0042513	rs80899356	14	125849106	126849106
WU_10.2_7_130172562	rs326629605	7	37474	1037474
H3GA0021245	rs80873337	7	38323945	39323945
MARC0022141	rs80938016	1	500000	500000
WU_10.2_4_80076056	rs326956992	4	72928123	73928123
WU_10.2_1_11153176	rs337636958	1	8532844	9532844
WU_10.2_3_129122235	rs339807343	3	120370358	121370358
MARC0081527	rs81264731	6	80117330	81117330
WU_10.2_14_389214	rs335934013	14	282417	717583
WU_10.2_2_12776809	rs328148849	2	12643791	13643791
WU_10.2_6_85867859	rs81389667	6	92297244	93297244
ALGA0012962	rs81357078	2	32257436	33257436
ALGA0012964	rs81357084	2	32299355	33299355

		ALGA0054421	rs81415077	9	104125702	105125702
		ASGA0037579	rs81399251	8	5203865	6203865
		H3GA0021245	rs80873337	7	38323945	39323945
		H3GA0042513	rs80899356	14	125849106	126849106
		MARC0081527	rs81264731	6	80117330	81117330
		WU_10.2_14_389214	rs335934013	14	282417	717583
		WU_10.2_2_12776809	rs328148849	2	12643791	13643791
		WU_10.2_6_85867859	rs81389667	6	92297244	93297244
		WU_10.2_7_130172562	rs326629605	7	37474	1037474
MOSCATELLI, G. <i>et al.</i> (2020)	Number of teats	MARC0038565	rs80894106	7	97152632	98152632
		M1GA0010653	rs81396078	7	97295647	98295647
		H3GA0022659	rs80957264	7	97381096	98381096
		ALGA0020825	rs81375574	3	108457096	109457096
		H3GA0022644	rs80914674	7	96647161	97647161
		M1GA0010658	rs80804788	7	97655866	98655866
		ASGA0035500	rs81396056	7	97232109	98232109
		ALGA0122954	rs81317665	7	98095714	99095714
ZHANWEI, Z. <i>et al.</i> (2020)	Number of teats		rs81296766	1	25883644	26963644
			rs81353367	1	31658014	32738014
			rs81354014	1	49092560	50172560
			rs80808645	1	49497586	50577586
			rs80855587	1	165713306	166793306
			rs80805477	1	247629556	248709556
			rs81315010	1	251276790	252356790
					26570325	27650325
			rs81356579	2	76941598	78021598
			rs330333016	2	127207767	128287767

rs338630193	2	19854893	20934893
rs81314408	3	31886287	32966287
rs81338014	3	116978657	118058657
rs318980859	4	10339898	11419898
rs341491167	5	75167707	76247707
rs328599079	5	34500992	35580992
	6	48725869	49805869
rs81395407			
rs333592328	6	89246916	90326916
rs81389632	6	134258234	135338234
rs81391820	6	167728278	168808278
rs705289935	6	92269231	93349231
rs80964371	7	13919452	14999452
rs81420227	9	25242658	26322658
rs81305437	11	34384123	35464123
rs80809451	11	24213992	25293992
rs345307243	14	25927369	27007369
rs80848162	14	68897518	69977518
rs80890762	14	114636455	115716455
rs321772507	14	132996115	134076115
rs327004523	14	136966343	138046343
rs80794466	14	10787896	11867896
rs80957887	15	129364530	130444530
rs333698977	15	26544056	27624056
rs81316660	16	68566054	69646054
rs81461904	16	44251974	45331974
rs319134655	17	270814424	271894424

rs333890665	1	270842273	271922273
rs321500205	1	120600488	121680488
rs81363870	2	5175228	6255228
rs344649466	3	66181316	67261316
rs81384813	5	66194388	67274388
rs81384838	5	164267745	165347745
rs324552394	6	7115911	8195911
rs80864749	7	8614293	9694293
rs330783620	7	95588654	96668654
rs80888936	7	95738617	96818617
rs324614194	7	96092217	97172217
rs331807204	7	96120861	97200861
rs81265875	7	96154364	97234364
rs329434246	7	96187497	97267497
rs81396029	7	96191838	97271838
rs81295281	7	96203525	97283525
rs81396040	7	96246714	97326714
rs81227580	7	96266775	97346775
rs81396043	7	96508514	97588514
rs342685919	7	96569772	97649772
rs80843834	7	96586583	97666583
rs327357811	7	96807282	97887282
rs80805264	7	96586583	97666583
rs319296259	7	96854296	97934296
rs346287309	7	96887849	97967849
rs692640845	7	97028284	98108284
rs1113960993	7	97035068	98115068

rs330032123	7	97044287	98124287
rs343248943	7	97112632	98192632
rs80894106	7	97406666	98486666
rs81238639	7	97414258	98494258
rs80864705	7	97433860	98513860
rs80929215	7	97526911	98606911
rs80813473	7	97549286	98629286
rs80836267	7	101939725	103019725
rs80865802	7	101973443	103053443
rs338075156	7	102012105	103092105
rs80975884	7	102118822	103198822
rs80822795	7	102569678	103649678
rs80795811	7	102611323	103691323
rs80847916	7	72086638	73166638
rs81401285	8	73059016	74139016
rs343488415	8	136326026	137406026
rs81335362	8	15847485	16927485
rs334392548	10	5751044	6831044
rs80803790	11	5784834	6864834
rs80914601	11	14933025	16013025
rs343377111	11	69830312	70910312
rs80930723	11	17155233	18235233
rs81440983	12	295765	784235
rs335055280	13	198073309	199153309
rs345752157	13	24213992	25293992
rs345307243	14	56867462	57947462
rs81450840	14	135868216	136948216

			rs80823799	14	5584952	6664952
			rs322985099	16	7928654	9008654
				17	5858431	6938431
			rs80843610			
			rs321942793	18	50915200	51995200
			rs81471144	18	25883644	26963644
LI, Yang <i>et al.</i> (2021)	Number of teats	MARC0038565	rs80894106	7	97602632	97702632
		H3GA0022664	rs80813473	7	98016911	98116911
		ASGA0035527	rs80836267	7	98039286	98139286
		INRA0027601	rs324614194	7	96228617	96328617
		MARC0033479	rs81227580	7	96736713	96836713
		ALGA0043926	rs81396043	7	96756775	96856775
		MARC0048752	rs81238639	7	97896666	97996666
		M1GA0010654	rs80864705	7	97904258	98004258
		ALGA0043962	rs80929215	7	97923860	98023860
		NRA0027603	rs342685919	7	96998513	97098513
		M1GA0010637	rs80820713	7	96051509	96151509
		ALGA0043904	rs80888936	7	96078654	96178654