

	mpileup				GATK			
#chr	start	end	#markers	length	start	end	#markers	length
chrI					12,386,698	12,398,661	30	11,964
chrI	21,487,998	21,960,119	4,186	472,122	21,486,723	21,960,546	4,071	473,824
chrII					400,967	410,723	11	9,757
chrII					6,125,444	6,133,126	11	7,683
chrII	14,874,366	14,898,826	73	24,461	14,868,709	14,903,504	133	34,796
chrII					15,917,413	15,927,588	22	10,176
chrIII					12,393,053	12,401,196	12	8,144
chrIV	12,803,780	12,881,296	285	77,517	12,801,904	12,884,281	368	82,378
chrIV	13,930,002	13,959,331	168	29,330	13,930,002	13,965,650	180	35,649
chrIV	19,811,922	19,914,666	209	102,745	19,811,668	19,914,285	235	102,618
chrIV					21,119,742	21,129,459	13	9,718
chrIV	23,954,634	23,981,981	48	27,348	23,926,875	23,982,004	126	55,130
chrIV	26,016,955	26,166,536	252	149,582	26,014,651	26,173,878	364	159,228
chrIV					27,506,950	27,529,635	24	22,686
chrV	2,482,209	2,501,295	65	19,087	2,482,368	2,507,363	52	24,996
chrVII					4,673,859	4,684,431	11	10,573
chrVII	17,982,351	18,002,671	84	20,321	17,971,522	18,009,091	131	37,570
chrVIII					8,251,224	8,259,722	20	8,499
chrIX	8,521,935	8,537,559	44	15,625	8,511,171	8,537,543	106	26,373

chrIX	8,901,816	8,910,115	20	8,300	8,901,816	8,910,874	42	9,059
chrIX	9,208,158	9,227,809	46	19,652	9,129,464	9,232,163	109	102,700
chrIX	10,334,101	10,353,801	114	19,701	10,327,579	10,353,801	90	26,223
chrIX					12,066,123	12,181,815	67	115,693
chrX					8,301,947	8,311,946	20	10,000
chrXI	5,445,757	5,855,124	1,237	409,368	5,436,982	5,915,286	3,112	478,305
chrXII	14,338,229	14,358,336	91	20,108	14,329,844	14,357,195	75	27,352
chrXII	16,522,028	16,538,810	24	16,783	16,521,493	16,538,557	30	17,065
chrXIII					8,447,744	8,457,144	29	9,401
chrXIV					11,349,733	11,361,406	21	11,674
chrXVIII					882,850	906,041	63	23,192
chrXIX	2,449,903	2,581,858	277	131,956	2,449,903	2,575,655	252	125,753
chrXIX					12,488,785	12,497,245	10	8,461
chrXIX	14,787,904	14,799,088	21	11,185	14,775,739	14,807,299	98	31,561
chrXX					8,626,815	8,651,960	50	25,146
chrXXI	5,759,879	7,486,635	6,900	1,726,757	5,757,848	7,491,073	13,508	1,733,226
Total			14,144	3,301,948			23,496	3,886,573

Table S5. Comparison of the two programs mpileup and GATK for identification marker SNPs. Bold font denotes DIs

identified under the strong criteria, non-bold font denotes DIs identified under the weak criteria.