

Supplementary Table 1. Alleles present in less than 5% of SCC cervical cases or controls for HLA-A, -B, -C, -DRB1, and -DQB1 alleles

		Controls (n=504)		Cases (n=490)		OR	(95% CI)
		n	(%)	n	(%)		
A*	0102	0	(0.0)	2	(0.4)	--	
A*	0202	2	(0.4)	2	(0.4)	0.6	(0.1-4.4)
A*	0205	7	(1.4)	5	(1.0)	0.8	(0.2-2.5)
A*	0206	3	(0.6)	7	(1.4)	1.6	(0.4-6.6)
A*	0211	0	(0.0)	1	(0.2)	--	
A*	0222	0	(0.0)	1	(0.2)	--	
A*	0302	2	(0.4)	3	(0.6)	1.4	(0.2-8.8)
A*	0305	1	(0.2)	0	(0.0)	--	
A*	2301	16	(3.2)	16	(3.3)	0.9	(0.5-1.9)
A*	2403	1	(0.2)	1	(0.2)	0.7	(0.0-12.4)
A*	2407	2	(0.4)	1	(0.2)	0.2	(0.0-2.6)
A*	2410	0	(0.0)	1	(0.2)	--	
A*	2501	17	(3.4)	18	(3.7)	1.2	(0.6-2.3)
A*	2601	17	(3.4)	18	(3.7)	1.0	(0.5-2.0)
A*	2608	2	(0.4)	1	(0.2)	0.6	(0.0-6.1)
A*	2901	4	(0.8)	1	(0.2)	0.3	(0.0-2.5)
A*	2907	1	(0.2)	0	(0.0)	--	
A*	3001	12	(2.4)	12	(2.4)	0.9	(0.4-2.1)
A*	3002	14	(2.8)	9	(1.8)	0.6	(0.3-1.4)
A*	3004	4	(0.8)	1	(0.2)	0.3	(0.0-2.5)
A*	3101	16	(3.2)	18	(3.7)	1.2	(0.6-2.3)
A*	33	1	(0.2)	6	(1.2)	4.0	(0.5-34.2)
A*	3301	7	(1.4)	8	(1.6)	1.1	(0.4-3.2)
A*	3303	3	(0.6)	1	(0.2)	0.4	(0.0-3.5)
A*	3401	1	(0.2)	6	(1.2)	3.1	(0.4-26.6)
A*	3402	3	(0.6)	2	(0.4)	0.5	(0.1-3.2)
A*	3601	1	(0.2)	1	(0.2)	0.7	(0.0-12.4)
A*	6601	5	(1.0)	2	(0.4)	0.3	(0.1-1.8)
A*	6602	1	(0.2)	0	(0.0)	--	
A*	6802	6	(1.2)	11	(2.2)	1.7	(0.6-4.7)
A*	6803	0	(0.0)	2	(0.4)	--	
A*	7401	3	(0.6)	0	(0.0)	--	
B*	0705	6	(1.2)	4	(0.8)	0.5	(0.1-1.9)
B*	0804	0	(0.0)	2	(0.4)	--	
B*	1301	0	(0.0)	2	(0.4)	--	
B*	1302	19	(3.8)	15	(3.1)	0.8	(0.4-1.7)
B*	1401	14	(2.8)	11	(2.2)	0.9	(0.4-1.9)
B*	1402	21	(4.2)	20	(4.1)	1.0	(0.5-1.9)
B*	1502	0	(0.0)	1	(0.2)	--	
B*	1503	2	(0.4)	2	(0.4)	0.7	(0.1-5.4)
B*	1507	1	(0.2)	0	(0.0)	--	
B*	1510	0	(0.0)	2	(0.4)	--	
B*	1513	0	(0.0)	1	(0.2)	--	

B*	1516	3	(0.6)	0	(0.0)	--	
B*	1517	5	(1.0)	2	(0.4)	0.3	(0.1-1.8)
B*	1518	5	(1.0)	2	(0.4)	0.4	(0.1-2.0)
B*	1521	0	(0.0)	3	(0.6)	--	
B*	1525	1	(0.2)	0	(0.0)	--	
B*	1527	1	(0.2)	0	(0.0)	--	
B*	1530	0	(0.0)	1	(0.2)	--	
B*	2702	1	(0.2)	5	(1.0)	5.6	(0.7-48.0)
B*	2706	0	(0.0)	1	(0.2)	--	
B*	2707	1	(0.2)	0	(0.0)	--	
B*	3502	6	(1.2)	6	(1.2)	1.1	(0.4-3.5)
B*	3503	7	(1.4)	3	(0.6)	0.5	(0.1-1.8)
B*	3508	3	(0.6)	1	(0.2)	0.4	(0.0-3.5)
B*	3701	17	(3.4)	15	(3.1)	1.0	(0.5-2.0)
B*	3801	11	(2.2)	4	(0.8)	0.4	(0.1-1.2)
B*	3802	3	(0.6)	4	(0.8)	0.6	(0.1-2.9)
B*	3901	12	(2.4)	6	(1.2)	0.4	(0.2-1.2)
B*	3905	0	(0.0)	1	(0.2)	--	
B*	3906	4	(0.8)	3	(0.6)	0.8	(0.2-3.7)
B*	3924	2	(0.4)	0	(0.0)	--	
B*	4002	14	(2.8)	13	(2.7)	0.9	(0.4-1.9)
B*	4006	2	(0.4)	2	(0.4)	0.6	(0.1-4.4)
B*	4011	0	(0.0)	1	(0.2)	--	
B*	4015	1	(0.2)	0	(0.0)	--	
B*	4101	5	(1.0)	2	(0.4)	0.4	(0.1-2.3)
B*	4102	3	(0.6)	3	(0.6)	1.1	(0.2-5.5)
B*	4201	0	(0.0)	3	(0.6)	--	
B*	4405	3	(0.6)	5	(1.0)	1.7	(0.4-7.2)
B*	4501	5	(1.0)	12	(2.4)	2.3	(0.8-6.6)
B*	4601	0	(0.0)	3	(0.6)	--	
B*	4602	1	(0.2)	0	(0.0)	--	
B*	4701	1	(0.2)	5	(1.0)	5.6	(0.7-48.0)
B*	4801	0	(0.0)	2	(0.4)	--	
B*	4901	16	(3.2)	9	(1.8)	0.6	(0.2-1.3)
B*	5001	12	(2.4)	11	(2.2)	1.0	(0.4-2.2)
B*	5002	0	(0.0)	1	(0.2)	--	
B*	5102	0	(0.0)	1	(0.2)	--	
B*	5104	1	(0.2)	0	(0.0)	--	
B*	5107	1	(0.2)	1	(0.2)	0.7	(0.0-12.4)
B*	5108	1	(0.2)	1	(0.2)	1.1	(0.1-17.8)
B*	5201	6	(1.2)	9	(1.8)	1.4	(0.5-3.9)
B*	5301	5	(1.0)	7	(1.4)	1.0	(0.3-3.2)
B*	5401	1	(0.2)	2	(0.4)	1.3	(0.1-15.2)
B*	5501	8	(1.6)	19	(3.9)	2.7	(1.2-6.2)
B*	5502	3	(0.6)	0	(0.0)	--	
B*	5601	7	(1.4)	6	(1.2)	0.9	(0.3-2.7)
B*	5602	0	(0.0)	2	(0.4)	--	
B*	5702	1	(0.2)	1	(0.2)	0.7	(0.0-12.4)
B*	5703	0	(0.0)	1	(0.2)	--	
B*	5801	6	(1.2)	6	(1.2)	1.0	(0.3-3.1)

B*	5802	3	(0.6)	1	(0.2)	0.1	(0.0-1.5)
B*	5901	1	(0.2)	1	(0.2)	0.5	(0.0-7.7)
Cw*	0201	2	(0.4)	0	(0.0)	--	
Cw*	0302	4	(0.8)	2	(0.4)	0.4	(0.1-2.3)
Cw*	0303	43	(8.5)	42	(8.6)	1.1	(0.7-1.7)
Cw*	0305	1	(0.2)	0	(0.0)	--	
Cw*	0403	1	(0.2)	3	(0.6)	1.4	(0.1-14.6)
Cw*	0703	1	(0.2)	0	(0.0)	--	
Cw*	0707	1	(0.2)	0	(0.0)	--	
Cw*	0801	2	(0.4)	5	(1.0)	1.4	(0.3-7.6)
Cw*	0803	0	(0.0)	1	(0.2)	--	
Cw*	1202	4	(0.8)	9	(1.8)	2.3	(0.7-7.4)
Cw*	1204	1	(0.2)	0	(0.0)	--	
Cw*	1402	13	(2.6)	17	(3.5)	1.2	(0.6-2.6)
Cw*	1403	0	(0.0)	2	(0.4)	--	
Cw*	1405	1	(0.2)	0	(0.0)	--	
Cw*	1505	5	(1.0)	4	(0.8)	0.7	(0.2-2.8)
Cw*	1602	2	(0.4)	2	(0.4)	0.9	(0.1-6.6)
Cw*	1604	0	(0.0)	3	(0.6)	--	
Cw*	1701	7	(1.4)	6	(1.2)	0.8	(0.3-2.4)
Cw*	1801	0	(0.0)	1	(0.2)	--	
DRB1*	0102	7	(1.3)	12	(2.2)	1.8	(0.7-4.6)
DRB1*	0103	14	(2.6)	12	(2.2)	0.9	(0.4-1.9)
DRB1*	0302	1	(0.2)	3	(0.6)	1.4	(0.1-14.1)
DRB1*	0305	1	(0.2)	0	(0.0)	--	
DRB1*	0402	10	(1.8)	6	(1.1)	0.6	(0.2-1.6)
DRB1*	0403	12	(2.2)	12	(2.2)	0.9	(0.4-2.0)
DRB1*	0405	4	(0.7)	11	(2.0)	2.2	(0.7-7.2)
DRB1*	0406	2	(0.4)	2	(0.4)	0.7	(0.1-5.3)
DRB1*	0407	5	(0.9)	14	(2.6)	2.6	(0.9-7.4)
DRB1*	0408	4	(0.7)	5	(0.9)	1.3	(0.4-5.0)
DRB1*	0409	1	(0.2)	1	(0.2)	1.1	(0.1-17.2)
DRB1*	0410	0	(0.0)	1	(0.2)	--	
DRB1*	0411	1	(0.2)	0	(0.0)	--	
DRB1*	0802	3	(0.6)	2	(0.4)	0.3	(0.1-2.2)
DRB1*	0803	4	(0.7)	7	(1.3)	1.3	(0.4-4.7)
DRB1*	0804	1	(0.2)	4	(0.7)	3.2	(0.4-29.9)
DRB1*	0806	1	(0.2)	1	(0.2)	0.7	(0.0-12.0)
DRB1*	0901	16	(3.0)	19	(3.5)	1.1	(0.5-2.1)
DRB1*	1001	3	(0.6)	11	(2.0)	3.8	(1.1-13.8)
DRB1*	1102	2	(0.4)	4	(0.7)	1.5	(0.3-8.3)
DRB1*	1103	5	(0.9)	7	(1.3)	1.5	(0.5-4.8)
DRB1*	1104	22	(4.1)	21	(3.9)	1.0	(0.5-1.8)
DRB1*	1201	18	(3.3)	15	(2.8)	0.8	(0.4-1.7)
DRB1*	1202	2	(0.4)	4	(0.7)	1.1	(0.2-6.2)
DRB1*	1303	13	(2.4)	13	(2.4)	1.0	(0.5-2.2)
DRB1*	1304	1	(0.2)	0	(0.0)	--	
DRB1*	1305	0	(0.0)	2	(0.4)	--	
DRB1*	1402	1	(0.2)	1	(0.2)	0.7	(0.0-12.0)
DRB1*	1407	0	(0.0)	1	(0.2)	--	

DRB1*	1502	9	(1.7)	18	(3.3)	1.5	(0.6-3.4)
DRB1*	1503	4	(0.7)	3	(0.6)	0.3	(0.1-1.5)
DRB1*	1601	13	(2.4)	9	(1.7)	0.7	(0.3-1.6)
DRB1*	1602	7	(1.3)	2	(0.4)	0.2	(0.0-1.1)
DQB1*	0304	1	(0.2)	2	(0.4)	2.1	(0.2-23.7)
DQB1*	0401	7	(1.3)	6	(1.1)	0.7	(0.2-2.3)
DQB1*	0502	21	(3.9)	24	(4.4)	0.9	(0.5-1.7)
DQB1*	0504	1	(0.2)	3	(0.6)	3.2	(0.3-31.0)
DQB1*	0601	7	(1.3)	13	(2.4)	1.5	(0.6-4.0)
DQB1*	0609	12	(2.2)	4	(0.7)	0.3	(0.1-0.9)
DQB1*	0611	1	(0.2)	0	(0.0)	--	

OR is adjusted for race (white, non-white).

Supplementary Table 2. Multilocus genotypes present in 5% or more of SCC cervical cases or controls, but not significantly associated with SCC

Two Loci	Allele combinations	Controls (N=502) ¹		Cases (N=490) ¹		OR	(95% CI)
		n	(%)	n	(%)		
A-B	0101-0801	96	(19.1)	72	(14.7)	0.8	(0.6-1.1)
	0301-0702	62	(12.4)	75	(15.3)	1.4	(0.9-2.0)
	0201-0702	58	(11.6)	65	(13.3)	1.2	(0.8-1.8)
A-Cw	0201-4001	41	(8.2)	42	(8.6)	1.1	(0.7-1.8)
	0101-0701	101	(20.1)	81	(16.5)	0.8	(0.6-1.1)
	0301-0702	62	(12.4)	76	(15.5)	1.4	(1.0-2.0)
	0201-0304	62	(12.4)	48	(9.8)	0.8	(0.6-1.2)
	0201-0501	50	(10.0)	64	(13.1)	1.4	(1.0-2.1)
	0201-0702	63	(12.5)	68	(13.9)	1.2	(0.8-1.7)
	0101-0602	40	(8.0)	35	(7.1)	1.0	(0.6-1.5)
	0201-0602	49	(9.8)	39	(8.0)	0.9	(0.6-1.4)
	2902-1601	26	(5.2)	16	(3.3)	0.6	(0.3-1.2)
	A-DRB1	0101-0301	79	(15.7)	67	(13.7)	0.9
0201-1501		65	(12.9)	58	(11.8)	1.0	(0.7-1.4)
0201-0401		55	(11.0)	67	(13.7)	1.4	(1.0-2.0)
0301-1501		46	(9.2)	49	(10.0)	1.2	(0.8-1.8)
A-DQB1	0201-0701	60	(12.0)	52	(10.6)	0.9	(0.6-1.4)
	0101-02	96	(19.1)	80	(16.3)	0.9	(0.6-1.2)
	0201-0602	68	(13.5)	58	(11.8)	0.9	(0.6-1.3)
	0301-0602	44	(8.8)	49	(10.0)	1.2	(0.8-1.9)
	0201-0302	57	(11.4)	41	(8.4)	0.7	(0.5-1.1)
	0101-0201	79	(15.7)	66	(13.5)	0.9	(0.6-1.3)
	0101-0202	26	(5.2)	21	(4.3)	0.9	(0.5-1.6)
B-Cw	0201-0202	42	(8.4)	35	(7.1)	0.9	(0.6-1.5)
	0702-0702	125	(24.9)	135	(27.6)	1.2	(0.9-1.6)
	3501-0401	51	(10.2)	41	(8.4)	0.8	(0.5-1.2)
	4001-0304	57	(11.4)	56	(11.4)	1.1	(0.7-1.6)
	5701-0602	38	(7.6)	33	(6.7)	1.0	(0.6-1.6)
	4403-1601	35	(7.0)	26	(5.3)	0.8	(0.5-1.3)
	1501-0303	30	(6.0)	19	(3.9)	0.7	(0.4-1.2)
B-DRB1	0801-0301	98	(19.5)	74	(15.1)	0.8	(0.6-1.1)
	0702-1501	87	(17.3)	76	(15.5)	0.9	(0.7-1.3)
B-DQB1	0801-02	103	(20.5)	77	(15.7)	0.8	(0.6-1.1)
	0702-0602	83	(16.5)	75	(15.3)	1.0	(0.7-1.4)
	4403-02	37	(7.4)	35	(7.1)	1.0	(0.6-1.6)
	3501-0501	27	(5.4)	23	(4.7)	0.9	(0.5-1.6)
	5701-0303	25	(5.0)	29	(5.9)	1.3	(0.8-2.3)
	4001-0302	18	(3.6)	28	(5.7)	1.7	(0.9-3.1)
	0801-0201	97	(19.3)	73	(14.9)	0.8	(0.6-1.1)
	4403-0202	36	(7.2)	31	(6.3)	0.9	(0.6-1.5)
Cw-DRB1	0701-0301	98	(19.5)	72	(14.7)	0.8	(0.5-1.1)
	0702-1501	89	(17.7)	78	(15.9)	0.9	(0.7-1.3)
	0401-0101	34	(6.8)	27	(5.5)	0.8	(0.5-1.4)

Cw-DQB1	0602-07	55	(11.0)	51	(10.4)	1.0	(0.7-1.5)
	0702-0602	84	(16.7)	78	(15.9)	1.0	(0.7-1.4)
	0401-0501	36	(7.2)	31	(6.3)	0.9	(0.5-1.5)
	0602-0303	34	(6.8)	27	(5.5)	0.8	(0.5-1.4)
	0304-0302	32	(6.4)	34	(6.9)	1.1	(0.7-1.9)
	1601-02	30	(6.0)	25	(5.1)	0.8	(0.5-1.5)
	0602-02	42	(8.4)	38	(7.8)	0.9	(0.6-1.5)
	0701-0201	97	(19.3)	71	(14.5)	0.8	(0.5-1.1)
	1601-0202	29	(5.8)	21	(4.3)	0.7	(0.4-1.3)
0602-0202	29	(5.8)	28	(5.7)	1.0	(0.6-1.8)	
DRB1-DQB1	1501-0602	136	(25.3)	143	(26.6)	1.1	(0.9-1.5)
	0101-0501	78	(14.5)	77	(14.3)	1.0	(0.7-1.5)
	0701-02	108	(20.1)	91	(16.9)	0.8	(0.6-1.1)
	1301-0603	56	(10.4)	40	(7.4)	0.7	(0.5-1.1)
	0401-0302	55	(10.2)	52	(9.7)	1.0	(0.7-1.5)
	0404-0302	46	(8.6)	39	(7.3)	0.8	(0.5-1.3)
	1302-0604	34	(6.3)	20	(3.7)	0.6	(0.3-1.0)
	0701-0303	42	(7.8)	51	(9.5)	1.3	(0.8-1.9)
	0701-0202	101	(18.8)	87	(16.2)	0.9	(0.6-1.2)
Three loci							
A-B-Cw	0101-0801-0701	95	(18.9)	69	(14.1)	0.7	(0.5-1.1)
	0301-0702-0702	61	(12.2)	74	(15.1)	1.4	(0.9-2.0)
	0201-0702-0702	57	(11.4)	63	(12.9)	1.2	(0.8-1.8)
	0201-4001-0304	40	(8.0)	40	(8.2)	1.1	(0.7-1.7)
A-B-DRB1	0101-0801-0301	76	(15.1)	63	(12.9)	0.9	(0.6-1.3)
	0301-0702-1501	41	(8.2)	40	(8.2)	1.1	(0.7-1.7)
	0201-0702-1501	41	(8.2)	35	(7.1)	0.9	(0.6-1.5)
A-B-DQB1	0101-0801-02	80	(15.9)	64	(13.1)	0.9	(0.6-1.2)
	0301-0702-0602	37	(7.4)	40	(8.2)	1.2	(0.7-1.9)
	0201-0702-0602	40	(8.0)	35	(7.1)	1.0	(0.6-1.5)
A-Cw-DRB1	0101-0801-0201	76	(15.1)	62	(12.7)	0.9	(0.6-1.3)
	0101-0701-0301	75	(14.9)	63	(12.9)	0.9	(0.6-1.3)
	0301-0702-1501	40	(8.0)	41	(8.4)	1.1	(0.7-1.8)
A-Cw-DQB1	0201-0702-1501	42	(8.4)	36	(7.3)	0.9	(0.6-1.5)
	0101-0701-02	83	(16.5)	64	(13.1)	0.8	(0.6-1.2)
	0301-0702-0602	36	(7.2)	41	(8.4)	1.3	(0.8-2.0)
A-DRB1-DQB1	0201-0702-0602	41	(8.2)	36	(7.3)	1.0	(0.6-1.5)
	0101-0701-0201	75	(14.9)	62	(12.7)	0.9	(0.6-1.3)
	0101-0301-02	79	(15.7)	66	(13.5)	0.9	(0.6-1.3)
	0201-1501-0602	64	(12.7)	58	(11.8)	1.0	(0.7-1.4)
B-Cw-DRB1	0301-1501-0602	42	(8.4)	49	(10.0)	1.3	(0.8-2.0)
	0301-0101-0501	26	(5.2)	33	(6.7)	1.4	(0.8-2.4)
	0101-0301-0201	79	(15.7)	66	(13.5)	0.9	(0.6-1.3)
B-Cw-DQB1	0801-0701-0301	86	(17.1)	74	(15.1)	0.8	(0.5-1.1)
	0702-0702-1501	97	(19.3)	71	(14.5)	0.9	(0.7-1.3)
	3501-0401-0101	26	(5.2)	20	(4.1)	0.8	(0.4-1.5)
B-Cw-DQB1	0801-0701-02	102	(20.3)	73	(14.9)	0.7	(0.5-1.0)
	0702-0702-0602	82	(16.3)	74	(15.1)	1.0	(0.7-1.4)

	3501-0401-0501	27	(5.4)	20	(4.1)	0.8	(0.4-1.4)
	4403-1601-02	28	(5.6)	24	(4.9)	0.9	(0.5-1.6)
	5701-0602-0303	25	(5.0)	25	(5.1)	1.1	(0.6-2.0)
	4001-0304-0302	18	(3.6)	25	(5.1)	1.5	(0.8-2.8)
	0801-0701-0201	96	(19.1)	70	(14.3)	0.8	(0.5-1.1)
	4403-1601-0202	27	(5.4)	20	(4.1)	0.8	(0.4-1.4)
B-DRB1-DQB1	0801-0301-02	98	(19.5)	73	(14.9)	0.8	(0.6-1.1)
	0702-1501-0602	83	(16.5)	75	(15.3)	1.0	(0.7-1.4)
	3501-0101-0501	26	(5.2)	22	(4.5)	0.9	(0.5-1.6)
	0801-0301-0201	97	(19.3)	73	(14.9)	0.8	(0.6-1.1)
Cw-DRB1-DQB1	0701-0301-02	98	(19.5)	71	(14.5)	0.8	(0.5-1.1)
	0702-1501-0602	84	(16.7)	78	(15.9)	1.0	(0.7-1.4)
	0401-0101-0501	34	(6.8)	26	(5.3)	0.8	(0.5-1.4)
	0701-0301-0201	97	14.143	71	0	0.8	(0.5-1.1)
Four loci							
A-B-Cw-DRB1	0101-0801-0701-0301	75	(14.9)	62	(12.7)	0.9	(0.6-1.3)
	0301-0702-0702-1501	40	(8.0)	40	(8.2)	1.1	(0.7-1.7)
	0201-0702-0702-1501	41	(8.2)	34	(6.9)	0.9	(0.6-1.5)
A-B-Cw-DQB1	0101-0801-0701-02	79	(15.7)	62	(12.7)	0.8	(0.6-1.2)
	0301-0702-0702-0602	36	(7.2)	40	(8.2)	1.2	(0.8-2.0)
	0201-0702-0702-0602	40	(8.0)	34	(6.9)	0.9	(0.6-1.5)
	0101-0801-0701-0201	75	(14.9)	61	(12.4)	0.9	(0.6-1.3)
A-B-DRB1-DQB1	0101-0801-0301-02	76	(15.1)	62	(12.7)	0.9	(0.6-1.3)
	0301-0702-1501-0602	37	(7.4)	40	(8.2)	1.2	(0.7-1.9)
	0201-0702-1501-0602	40	(8.0)	35	(7.1)	1.0	(0.6-1.5)
	0101-0801-0301-0201	76	(15.1)	62	(12.7)	0.9	(0.6-1.3)
B-Cw-DRB1-DQB1	0801-0701-0301-02	97	(19.3)	70	(14.3)	0.8	(0.5-1.1)
	0702-0702-1501-0602	82	(16.3)	74	(15.1)	1.0	(0.7-1.4)
	3501-0401-0101-0501	26	(5.2)	20	(4.1)	0.8	(0.4-1.5)
	0801-0701-0301-0201	96	(19.1)	70	(14.3)	0.8	(0.5-1.1)
Five loci							
	0101*0801*0701*0301*02	75	(14.9)	61	(12.4)	0.9	(0.6-1.3)
	0301-0702-0702-1501-0602	36	(7.2)	40	(8.2)	1.2	(0.8-2.0)
	0201-0702-0702-1501-0602	40	(8.0)	34	(6.9)	0.9	(0.6-1.5)
	0101*0801*0701*0301*0201	75	(14.9)	61	(12.6)	0.9	(0.6-1.3)

OR is adjusted for race (white, non-white).

Supplementary Table 3. Multilocus genotypes present in 5% or more of SCC cervical cases or controls and significantly associated only with HPV16-containing SCC

Loci	Allele combinations	Controls (N=502)		Cases (N=490)		HPV16+ Cases (n=228)		All SCC Cases		HPV16+ Cases	
		n	(%)	n	(%)	n	(%)	OR ¹	(95% CI)	OR ¹	95% CI
A-B-Cw-DRB1-DQB1	0101-0801-0701-0301-0201	75	(14.9)	61	(12.6)	19	(8.4)	0.9	(0.6-1.3)	0.5	(0.3-0.9)
A-B-Cw-DRB1	0101-0801-0701-0301	75	(14.9)	62	(12.7)	19	(8.4)	0.9	(0.6-1.3)	0.5	(0.3-0.9)
A-B-Cw-DQB1	0101-0801-0701-0201	75	(14.9)	61	(12.4)	19	(8.3)	0.9	(0.6-1.3)	0.5	(0.3-0.9)
A-B-DRB1-DQB1	0101-0801-0301-0201	76	(15.1)	62	(12.7)	19	(8.4)	0.9	(0.6-1.3)	0.5	(0.3-0.9)
B-Cw-DRB1-DQB1	0801-0701-0301-0201	96	(19.1)	70	(14.3)	23	(10.1)	0.8	(0.5-1.1)	0.5	(0.3-0.8)
A-B-Cw	0101-0801-0701	95	(18.9)	69	(14.1)	23	(10.1)	0.7	(0.5-1.1)	0.5	(0.3-0.8)
A-B-DRB1	0101-0801-0301	76	(15.1)	63	(12.9)	19	(8.4)	0.9	(0.6-1.3)	0.5	(0.3-0.9)
A-B-DQB1	0101-0801-0201	76	(15.1)	62	(12.7)	19	(8.3)	0.9	(0.6-1.3)	0.5	(0.3-0.9)
A-Cw-DRB1	0101-0701-0301	75	(14.9)	63	(12.9)	20	(8.8)	0.9	(0.6-1.3)	0.6	(0.3-1.0)
A-Cw-DQB1	0101-0701-0201	75	(14.9)	62	(12.7)	20	(8.7)	0.9	(0.6-1.3)	0.6	(0.3-1.0)
A-DRB1-DQB1	0101-0301-0201	79	(15.7)	66	(13.5)	21	(9.2)	0.9	(0.6-1.3)	0.6	(0.3-0.9)
B-Cw-DQB1	0801-0701-0201	96	(19.1)	70	(14.3)	23	(10.1)	0.8	(0.5-1.1)	0.5	(0.3-0.8)
B-Cw-DRB1	0801-0701-0301	97	(19.3)	71	(14.5)	23	(10.1)	0.9	(0.7-1.3)	0.5	(0.3-0.8)
B-DRB1-DQB1	0801-0301-0201	97	(19.3)	73	(14.9)	24	(10.5)	0.8	(0.6-1.1)	0.5	(0.3-0.8)
Cw-DRB1-DQB1	0701-0301-0201	98	(19.5)	71	(14.5)	24	(10.5)	0.8	(0.5-1.1)	0.5	(0.3-0.8)
A-B	0101-0801	96	(19.1)	72	(14.7)	24	(10.5)	0.8	(0.6-1.1)	0.5	(0.3-0.8)
A-Cw	0101-0701	105	(20.9)	81	(16.5)	29	(12.7)	0.8	(0.6-1.1)	0.6	(0.4-0.9)
A-DQB1	0101-0201	79	(15.7)	66	(13.5)	21	(9.2)	0.9	(0.6-1.3)	0.6	(0.3-0.9)
B-DRB1	0801-0301	98	(19.5)	74	(15.1)	24	(10.6)	0.8	(0.6-1.1)	0.5	(0.3-0.8)
B-DQB1	0801-0201	97	(19.3)	73	(14.9)	24	(10.5)	0.8	(0.6-1.1)	0.5	(0.3-0.8)
Cw-DRB1	0701-0301	98	(19.5)	72	(14.7)	24	(10.5)	0.8	(0.5-1.1)	0.5	(0.3-0.8)
Cw-DQB1	0701-0201	97	(19.3)	71	(14.5)	24	(10.5)	0.8	(0.5-1.1)	0.5	(0.3-0.8)
A-Cw	0201-0501	50	(10.0)	64	(13.1)	37	(16.2)	1.4	(1.0-2.1)	1.8	(1.2-2.9)
A-DRB1	0201-0401	55	(11.0)	67	(13.7)	40	(17.5)	1.4	(1.0-2.0)	1.8	(1.2-2.9)

OR is adjusted for race (white, non-white).