

Table 4– PLINK results of tests of association of 49 SNPs in the *VDR* gene, which is located on chromosome 12, with affection (colon polyp) status. No SNPs are nominally associated with affection status. MAF(aff) and MAF(un) are the minor allele frequencies in cases (affected) and controls (unaffected), respectively. The CHISQ (1df) , P-value and OR(odds ratio) are as reported by PLINK. Two SNPs we genotyped are known by other names: Taq1 is used to identify rs73126; Fok1 is used to identify rs10735810.

CHR	dbSNP id	Position(bp)	MAF(aff)	MAF(un)	CHISQ	P	OR
12	rs11574141	46521297	0.07212	0.07035	0.006445	0.936	1.027
12	rs2853563	46522005	0.1875	0.154	1.105	0.2931	1.267
12	rs9729	46522890	0.41	0.4005	0.04897	0.8249	1.04
12	rs7954412	46523554	0.101	0.0825	0.5763	0.4478	1.249
12	rs739837	46524488	0.4709	0.4391	0.5523	0.4574	1.137
12	rs731236	46525024	0.2794	0.2739	0.02075	0.8855	1.028
12	rs11574114	46525150	0.1731	0.1457	0.7796	0.3773	1.227
12	rs12314197	46528989	0.2308	0.1919	1.262	0.2614	1.263
12	rs7962898	46529104	0.3382	0.3706	0.6098	0.4348	0.8682
12	rs7967152	46530451	0.4175	0.4036	0.1085	0.7418	1.059
12	rs2239185	46530826	0.476	0.4246	1.46	0.227	1.231
12	rs7971418	46531502	0.4903	0.4419	1.277	0.2584	1.215
12	rs7975128	46532095	0.2621	0.2702	0.045	0.832	0.9595
12	rs11168264	46533130	0.1942	0.2323	1.152	0.2831	0.7962
12	rs7305032	46536127	0.2788	0.2814	0.004439	0.9469	0.9874
12	rs11168266	46537800	0.4804	0.4442	0.7111	0.3991	1.157
12	rs11168267	46537809	0.07692	0.08794	0.2151	0.6428	0.8643
12	rs11168268	46538079	0.3846	0.3693	0.1359	0.7123	1.067
12	rs12308082	46538406	0.08173	0.07071	0.2403	0.624	1.17
12	rs2248098	46539623	0.4563	0.505	1.289	0.2562	0.8226
12	rs987949	46540943	0.233	0.2739	1.178	0.2778	0.8055
12	rs2239182	46541678	0.4135	0.4121	0.001107	0.9735	1.006
12	rs2107301	46541837	0.1538	0.1683	0.21	0.6468	0.8982
12	rs1540339	46543593	0.1779	0.2222	1.633	0.2012	0.7573
12	rs2239179	46544033	0.3627	0.3568	0.02067	0.8857	1.026
12	rs11574070	46544162	0.101	0.07323	1.381	0.2399	1.421

12	rs12717991	46545393	0.2837	0.309	0.4191	0.5174	0.8853
12	rs886441	46549231	0.4126	0.3975	0.1293	0.7192	1.065
12	rs2189480	46550095	0.3107	0.3434	0.6553	0.4182	0.8616
12	rs3819545	46551273	0.1971	0.2525	2.34	0.1261	0.7267
12	rs3782905	46552434	0.2573	0.215	1.375	0.2409	1.265
12	rs11574050	46558728	0.101	0.0825	0.5763	0.4478	1.249
12	rs10783218	46559010	0.1845	0.1742	0.09691	0.7556	1.072
12	rs10735810	46559162	0.226	0.2161	0.07786	0.7802	1.059
12	rs2408876	46559832	0.5049	0.4675	0.7601	0.3833	1.161
12	rs2254210	46559981	0.3269	0.345	0.1996	0.655	0.9222
12	rs11574044	46562101	0.2427	0.2613	0.2469	0.6193	0.9061
12	rs11574041	46562488	0.07212	0.0775	0.05673	0.8117	0.9251
12	rs2238136	46563980	0.06731	0.06	0.1247	0.724	1.131
12	rs2238135	46564457	0.3365	0.3191	0.1894	0.6634	1.082
12	rs2853564	46564754	0.1394	0.1439	0.02278	0.88	0.9635
12	rs4760648	46566932	0.5098	0.485	0.3325	0.5642	1.104
12	rs2853559	46569072	0.1827	0.1975	0.1931	0.6604	0.9083
12	rs11168287	46571681	0.2981	0.2675	0.6375	0.4246	1.163
12	rs4328262	46571915	0.3798	0.315	2.572	0.1088	1.332
12	rs4334089	46572282	0.3835	0.3662	0.1743	0.6764	1.077
12	rs3890733	46575640	0.1422	0.1667	0.6069	0.4359	0.8286
12	rs7302235	46579105	0.5	0.4899	0.0552	0.8142	1.041
12	rs7136534	46580893	0.1106	0.09296	0.475	0.4907	1.213