

Table S1. The pater number of custom TaqMan copy number assays.

<i>FBXW7</i> assay	ID#hs02920964_cn
<i>MDM2</i> assay	ID#hs03082319_cn
<i>SKP2</i> assay	ID#hs06086556_cn
β - <i>TRCP</i> assay	ID#hs03734483_cn
<i>NEDD4-1</i> assay	ID#hs02225249_cn

Table S2. Distribution of demographic and environmental information of CRC patients and controls in each PS stratification.

Characteristics	Propensity score stratification (CRC, n = 435 and control, n = 443) ^b														
	1st			2nd			3rd			4th			5th		
	CRC (28)(%)	Controls (247)(%)	<i>P</i> value ^a	CRC (36)(%)	Controls (77)(%)	<i>P</i> value ^a	CRC (44)(%)	Controls (52)(%)	<i>P</i> value ^a	CRC (91)(%)	Controls (36)(%)	<i>P</i> value ^a	CRC (236)(%)	Controls (31)(%)	<i>P</i> value ^a
Age, years			0.343			0.882			0.425			0.936			0.767
Mean ± SD	59.1±11.9	59.5±10.5		59.6±12.0	60.4±11.2		59.4±11.6	59.2±10.5		60.5±11.4	60.6±10.6		60.7±11.1	59.4±10.5	
≤50	8(28.6%)	47(19.0%)		9(25.0%)	15(19.5%)		10(22.7%)	10(19.2%)		18(19.8%)	7(19.4%)		41(17.3%)	6(19.4%)	
50-60	5(17.9%)	84(34.0%)		11(30.6%)	25(32.5%)		15(34.1%)	19(36.5%)		28(30.8%)	10(27.8%)		74(31.4%)	12(38.7%)	
60-70	9(32.1%)	76(30.8%)		7(19.4%)	19(24.6%)		8(18.2%)	15(28.9%)		24(26.4%)	11(30.6%)		74(31.4%)	7(22.6%)	
>70	6(21.4%)	40(16.2%)		9(25.0%)	18(23.4%)		11(25.0%)	8(15.4%)		21(23.0%)	8(22.2%)		47(19.9%)	6(19.3%)	
Gender			0.748			0.753			0.795			0.391			0.117
Male	12(42.9%)	113(45.8%)		17(47.2%)	38(49.4%)		25(56.8%)	28(53.8%)		45(49.5%)	21(58.0%)		141(59.7%)	14(45.2%)	
Female	16(57.1%)	134(54.2%)		19(52.8%)	39(50.6%)		19(43.2%)	24(46.2%)		46(50.5%)	15(42.0%)		95(40.3%)	17(54.8%)	
BMI			0.081			0.064			0.562			0.056			0.485
Mean ± SD	23.0±4.1	24.0±4.1		23.9±3.7	23.0±4.5		23.8±3.9	24.2±4.2		23.5±3.6	25.2±4.8		24.0±3.9	23.3±3.7	
≤24	15(53.5%)	125(50.6%)		18(50.0%)	51(66.2%)		20(45.4%)	25(48.1%)		50(54.9%)	15(42.0%)		121(51.3%)	19(61.3%)	
24-28	5(17.9%)	84(34.0%)		14(38.9%)	15(19.5%)		19(43.2%)	18(34.6%)		31(34.1%)	11(29.4%)		77(32.6%)	8(25.8%)	
>28	8(28.6%)	38(15.4%)		4(11.1%)	11(14.3%)		5(11.4%)	9(17.3%)		10(11.0%)	10(28.6%)		38(16.1%)	4(12.9%)	
Education			0.519			0.958			0.800			0.823			0.825
Primary school and below	8(28.6%)	44(17.8%)		10(27.8%)	20(25.9%)		13(29.6%)	13(25.0%)		25(27.5%)	11(31.5%)		58(24.6%)	9(29.0%)	
Junior middle school	6(21.4%)	66(26.7%)		13(36.1%)	26(33.8%)		13(29.6%)	20(38.5%)		27(29.7%)	12(32.2%)		79(33.5%)	10(32.3%)	
Senior middle school	8(28.6%)	69(27.9%)		5(13.9%)	14(18.2%)		8(18.2%)	6(11.5%)		22(24.1%)	6(16.8%)		51(21.6%)	7(22.6%)	
University and above	6(21.4%)	68(27.6%)		8(22.2%)	17(22.1%)		10(22.8%)	13(25.0%)		17(18.7%)	7(19.5%)		48(20.3%)	5(16.1%)	
Occupation			0.014			0.670			0.723			0.787			0.568
White collar	3(10.7%)	34(13.8%)		6(16.7%)	10(13.0%)		8(18.2%)	6(11.5%)		14(15.3%)	4(10.5%)		46(19.5%)	4(12.9%)	

Blue collar	13(46.4%)	169(68.4%)	17(47.2%)	43(55.8%)	21(47.7%)	28(53.9%)	46(50.6%)	19(52.4%)	123(52.1%)	16(51.6%)	
Both	12(42.9%)	44(17.8%)	13(36.1%)	24(31.2%)	15(34.1%)	18(34.6%)	31(34.1%)	13(37.1%)	67(28.4%)	11(35.5%)	
Marriage			0.088		0.443		0.301		0.672		0.734
Married	28(100%)	219(88.7%)	35(97.2%)	72(93.5%)	42(95.5%)	48(92.3%)	88(96.7%)	34(95.1%)	225(95.3%)	30(96.8%)	
Others	0(0%)	28(11.3%)	1(2.8%)	5(6.5%)	2(4.5%)	4(7.7%)	3(3.3%)	2(4.9%)	11(4.7%)	1(3.2%)	
Nationality			0.851		0.871		0.458		0.608		0.281
The Han nationality	26(92.9%)	231(93.5%)	34(94.4%)	74(96.1%)	41(93.2%)	51(98.1%)	89(97.8%)	34(95.8%)	233(98.7%)	30(96.8%)	
Others	2(7.1%)	16(6.5%)	2(5.6%)	3(3.9%)	3(6.8%)	1(1.9%)	2(2.2%)	2(4.2%)	3(1.3%)	1(3.2%)	
Family history of colorectal cancer			0.092		0.852		0.999		0.240		0.016
No	16(57.1%)	101(40.9%)	16(44.4%)	33(42.9%)	16(36.3%)	19(36.5%)	16(17.6%)	10(27.3%)	18(7.6%)	7(22.6%)	
Yes	12(42.9%)	146(59.1%)	20(55.6%)	44(57.1%)	28(63.7%)	33(63.5%)	75(82.4%)	26(72.7%)	218(92.4%)	24(77.4%)	
Appendicitis			0.490		0.960		0.977		0.728		0.617
No	5(17.9%)	49(19.8%)	5(13.9%)	11(14.3%)	8(18.2%)	9(17.3%)	19(20.9%)	7(18.2%)	41(17.4%)	4(12.9%)	
Yes	23(82.1%)	198(80.2%)	31(86.1%)	66(85.7%)	36(81.8%)	43(82.7%)	72(79.1%)	29(81.8%)	195(82.6%)	27(87.1%)	
Refined grains, g/day			0.017		0.118		0.892		0.068		0.473
≤ 250	18(64.3%)	202(81.8%)	21(58.3%)	56(72.8%)	24(54.5%)	29(55.8%)	58(63.7%)	17(46.2%)	125(53.0%)	14(45.2%)	
> 250	10(35.7%)	45(18.2%)	15(41.7%)	21(27.2%)	20(45.5%)	23(44.2%)	33(36.3%)	19(53.8%)	111(47.0%)	17(54.8%)	
Roughage, g/week			0.426		0.527		0.350		0.557		0.926
< 50	10(35.7%)	106(42.9%)	14(38.9%)	35(45.5%)	17(38.6%)	16(30.8%)	41(45.1%)	14(39.2%)	114(48.3%)	15(48.4%)	
≥ 50	18(64.3%)	141(57.1%)	22(61.1%)	42(54.5%)	27(61.4%)	36(69.2%)	50(54.9%)	22(60.8%)	122(51.7%)	16(51.6%)	
Vegetable, times/week			0.294		0.750		0.708		0.590		0.674
≤ 2	15(53.6%)	108(43.7%)	20(55.6%)	45(58.4%)	24(54.5%)	30(57.7%)	57(62.6%)	21(57.3%)	147(62.3%)	20(64.5%)	
> 2	13(46.4%)	139(56.3%)	16(44.4%)	32(41.6%)	20(45.5%)	22(42.3%)	34(37.4%)	15(42.7%)	89(37.7%)	11(35.5%)	
Fruit, times/week			0.623		0.586		0.780		0.801		0.241
≤ 2	10(35.7%)	103(41.7%)	17(47.2%)	39(50.7%)	20(45.5%)	25(48.1%)	44(48.4%)	16(45.5%)	108(45.8%)	11(35.5%)	
> 2	18(64.3%)	144(58.3%)	19(52.8%)	38(49.3%)	24(54.5%)	27(51.9%)	47(51.6%)	20(54.5%)	128(54.2%)	20(64.5%)	
Fat meat			0.437		0.090		0.625		0.409		0.358
No	16(57.1%)	156(63.2%)	25(69.4%)	40(52.0%)	27(61.4%)	29(55.8%)	49(53.9%)	22(61.5%)	111(47.0%)	17(54.8%)	
Yes	12(42.9%)	91(36.8%)	11(30.6%)	37(48.0%)	17(38.6%)	23(44.2%)	42(46.1%)	14(38.5%)	125(53.0%)	14(45.2%)	
Fish, times/week			0.043		0.798		0.810		0.338		0.521

≤ 1	19(67.9%)	117(47.3%)	24(66.7%)	53(68.8%)	33(75.0%)	39(75.0%)	66(72.5%)	29(80.4%)	190(80.5%)	26(83.9%)
> 1	9(32.1%)	130(52.7%)	12(33.3%)	24(31.2%)	11(25.0%)	13(25.0%)	25(27.5%)	7(19.6%)	46(19.5%)	5(16.1%)
Seafood, times/week		0.129		0.798		0.940		0.764		0.219
≤ 1	19(67.9%)	134(54.3%)	24(66.7%)	53(68.8%)	32(72.7%)	39(75.0%)	67(73.6%)	25(70.6%)	153(64.8%)	23(74.2%)
> 1	9(32.1%)	113(45.7%)	12(33.3%)	24(31.2%)	12(27.3%)	13(25.0%)	24(26.4%)	11(29.4%)	83(35.2%)	8(25.8%)
Braised fish, times/week		0.700		0.860		0.684		0.571		0.813
≤ 1	21(75.0%)	176(71.3%)	26(72.2%)	54(70.1%)	31(70.5%)	38(73.1%)	58(63.7%)	25(69.2%)	148(62.7%)	19(61.3%)
> 1	7(25.0%)	71(28.7%)	10(27.8%)	23(29.9%)	13(29.5%)	14(26.9%)	33(36.3%)	11(30.8%)	88(37.3%)	12(38.7%)
Egg, /week		0.944		0.288		0.533		0.472		0.397
≤ 3	13(46.4%)	113(45.8%)	15(41.6%)	40(51.9%)	16(36.4%)	22(42.3%)	40(44.0%)	13(37.1%)	87(36.9%)	9(29.0%)
> 3	15(53.6%)	134(54.2%)	21(58.4%)	37(48.1%)	28(63.6%)	30(57.7%)	51(56.0%)	23(62.9%)	149(63.1%)	22(71.0%)
Tea		0.700		0.340		0.956		0.215		0.795
yes	7(25.0%)	55(22.3%)	8(22.2%)	23(29.9%)	11(25.0%)	13(25.0%)	26(28.6%)	6(17.5%)	63(26.7%)	9(29.0%)
no	21(75.0%)	192(77.7%)	28(77.8%)	54(70.1%)	33(75.0%)	39(75.0%)	65(71.4%)	30(82.5%)	173(73.3%)	22(71.0%)
Sausage, times/month		0.529		0.810		0.590		0.896		0.196
≤ 1	26(92.9%)	217(87.9%)	30(83.3%)	63(81.8%)	38(86.4%)	43(82.7%)	71(78.0%)	28(79.0%)	162(68.6%)	25(80.6%)
> 1	2(7.1%)	30(12.1%)	6(16.7%)	14(18.2%)	6(13.6%)	9(17.3%)	20(22.0%)	8(21.0%)	74(31.4%)	6(19.4%)
Spicy food, times/week		0.117		0.638		0.424		0.198		0.132
≤ 3	12(42.9%)	147(59.5%)	19(52.8%)	44(57.1%)	23(52.3%)	31(59.6%)	52(57.1%)	16(44.1%)	135(57.2%)	13(41.9%)
> 3	16(57.1%)	100(40.5%)	17(47.2%)	33(42.9%)	21(47.7%)	21(40.4%)	39(42.9%)	20(55.9%)	101(42.8%)	18(58.1%)
Garlic, times/week		0.636		0.827		0.915		0.921		0.891
≤ 3	15(53.6%)	145(58.7%)	22(61.1%)	46(59.7%)	27(61.4%)	31(59.6%)	50(55.0%)	19(53.8%)	134(56.8%)	17(54.8%)
> 3	13(46.4%)	102(41.3%)	14(38.9%)	31(40.3%)	17(38.6%)	21(40.4%)	41(45.0%)	17(46.2%)	102(43.2%)	14(45.2%)
Chinese pickled sour cabbage, times/month		0.550		0.439		0.276		0.934		0.731
≤ 2	19(67.9%)	152(61.5%)	18(50.0%)	45(58.4%)	23(52.3%)	33(63.5%)	52(57.1%)	20(55.9%)	89(37.7%)	11(35.5%)
> 2	9(32.1%)	95(38.5%)	18(50.0%)	32(41.6%)	21(47.7%)	19(36.5%)	39(42.9%)	16(44.1%)	147(62.3%)	20(64.5%)
Canned fruit, times/week		0.388		0.855		0.789		0.641		0.874
≤ 3	26(92.9%)	215(87.0%)	32(88.9%)	69(89.6%)	38(86.4%)	47(90.4%)	84(92.3%)	34(94.4%)	211(89.4%)	28(90.3%)
> 3	2(7.1%)	32(13.0%)	4(11.1%)	8(10.4%)	6(13.6%)	5(9.6%)	7(7.7%)	2(5.6%)	25(10.6%)	3(9.7%)
Canned meat, times/week		0.824		0.477		0.409		0.831		0.159
≤ 3	2(7.1%)	16(6.5%)	1(2.8%)	3(3.9%)	1(2.3%)	2(3.8%)	4(4.4%)	2(5.6%)	14(5.9%)	0(0%)

> 3	26(92.9%)	231(93.5%)	35(97.2%)	74(96.1%)	43(97.7%)	50(96.2%)	87(95.6%)	34(94.4%)	222(94.1%)	31(100.00%)		
Tap-water			0.013		0.536		0.344		0.855			0.558
Yes	7(25.0%)	22(8.9%)	16(44.4%)	30(39.0%)	26(59.1%)	36(69.3%)	29(32.0%)	71(78.2%)	217(91.9%)	27(87.1%)		
No	21(75.0%)	225(91.1%)	20(55.6%)	47(61.0%)	18(40.9%)	16(30.7%)	7(8.0%)	20(21.8%)	19(8.1%)	4(12.9%)		
Leftovers, times/week			0.237		0.380		0.439		0.316			0.916
≤ 3	18(64.3%)	182(73.7%)	21(58.3%)	52(67.5%)	29(65.9%)	31(59.6%)	58(63.7%)	20(73.6%)	140(59.3%)	19(61.3%)		
> 3	10(35.7%)	65(26.3%)	15(41.7%)	25(32.5%)	15(34.1%)	21(40.4%)	33(36.3%)	16(26.4%)	96(40.7%)	12(38.7%)		
Physical exercise			0.161		0.918		0.650		0.897			0.933
Yes	19(67.9%)	137(55.5%)	23(63.9%)	49(63.6%)	33(75.0%)	41(78.9%)	81(89.0%)	32(89.5%)	218(92.4%)	28(90.3%)		
No	9(32.1%)	110(44.5%)	13(36.1%)	28(36.4%)	11(25.0%)	11(21.1%)	10(11.0%)	4(10.5%)	18(7.6%)	3(9.7%)		
Smoking			0.254		0.040		0.868		0.456			0.029
No	20(71.4%)	148(59.9%)	27(75.0%)	42(54.5%)	24(54.5%)	30(57.7%)	58(63.7%)	25(70.6%)	132(55.9%)	24(77.4%)		
Yes	8(28.6%)	99(40.1%)	9(25.0%)	35(45.5%)	20(45.5%)	22(42.3%)	33(36.3%)	11(29.4%)	104(44.1%)	7(22.6%)		
Drinking			<0.001		0.029		0.956		0.043			0.007
No	15(53.6%)	215(87.0%)	14(38.9%)	47(61.0%)	21(47.7%)	25(48.1%)	46(50.5%)	11(30.8%)	99(41.9%)	5(16.1%)		
Yes	13(46.4%)	32(13.0%)	22(61.1%)	30(39.0%)	23(52.3%)	27(51.9%)	45(49.5%)	25(69.2%)	137(58.1%)	26(83.9%)		

CRC, Colorectal Cancer; s.d., standard deviation; BMI, Body Mass Index.

^a *P* value calculated using Student's t-test for continuous variables or Pearson's chi-squared test for categorical variables. *P* values < 0.01 were considered statistically significant.

^b Individuals with extreme propensity scores were excluded (CRC cases [n = 83] and controls [n = 75]).

Table S3. The reclassification table and the analysis for categorical net reclassification improvement and integrated discrimination improvement in subgroups based on tumor location.

BI-model	Colon												Rectum															
	BI+Del-model				BI+Amp-model				BI+Var-model				BI+Del-model				BI+Amp-model				BI+Var-model							
	[0, 0.3)	[0.3, 0.6)	[0.6, 1]	RC %	[0, 0.3)	[0.3, 0.6)	[0.6, 1]	RC %	[0, 0.3)	[0.3, 0.6)	[0.6, 1]	RC %	[0, 0.3)	[0.3, 0.6)	[0.6, 1]	RC %	[0, 0.3)	[0.3, 0.6)	[0.6, 1]	RC %	[0, 0.3)	[0.3, 0.6)	[0.6, 1]	RC %				
<i>CRC cases</i>																												
[0, 0.3)	59	7	0	11	60	6	0	9	50	16	0	24	44	0	0	0	44	0	0	0	44	0	0	0	44	0	0	0
[0.3, 0.6)	1	118	3	3	0	101	21	17	6	90	26	26	1	68	11	15	0	76	4	5	1	72	7	10	1	72	7	10
[0.6, 1]	0	3	138	2	0	0	141	0	0	1	140	1	0	4	61	6	0	7	58	11	0	7	58	11	0	7	58	11
<i>Controls</i>																												
[0, 0.3)	339	6	0	2	329	16	0	5	314	31	0	9	376	2	0	1	377	1	0	0	375	3	0	1	375	3	0	1
[0.3, 0.6)	6	133	0	4	7	123	9	12	17	115	7	17	11	112	6	13	0	124	5	4	9	115	5	11	9	115	5	11
[0.6, 1]	0	2	32	6	1	0	33	3	0	2	32	6	0	0	11	0	0	3	8	27	0	1	10	9	0	1	10	9
<i>Total</i>																												
[0, 0.3)	398	13	0	3	389	22	0	5	364	47	0	11	420	2	0	0	421	1	0	0	419	3	0	1	419	3	0	1
[0.3, 0.6)	7	251	3	4	7	224	30	14	23	205	33	21	12	180	17	14	0	200	9	4	10	187	12	11	10	187	12	11
[0.6, 1]	0	5	170	3	1	0	174	1	0	3	172	2	0	4	72	5	0	10	66	13	0	8	68	11	0	8	68	11
NRI (95% CI) ^a	0.022(-0.004-0.048), P=0.100				0.049(0.013-0.086), P=0.008				0.070(0.021-0.119), P=0.005				0.038(-0.007-0.082), P=0.098				-0.022(-0.058-0.015), P=0.240				-0.001(-0.045-0.042), P=0.948							
IDI (95% CI) ^a	0.007(0.002-0.013), P=0.014				0.016(0.009-0.024), P<0.001				0.018(0.009-0.026), P<0.001				0.010(0.002-0.019), P=0.015				0.003(-0.003-0.008), P=0.343				0.011(0.002-0.021), P=0.018							
Delta-AUC (95% CI) ^a	0.004(-0.003-0.011), P=0.291				0.013(0.007-0.022), P<0.001				0.013(0.004-0.021), P=0.005				0.007(0.001-0.013), P=0.032				0.001(-0.003-0.006), P=0.547				0.008(0.001-0.015), P=0.034							

CRC, colorectal cancer; RC, reclassification percent; CI, confidence interval; NRI, net reclassification improvement; IDI, integrated discrimination improvement; AUC, area under the curve

^a P values < 0.025 were considered statistically significant.

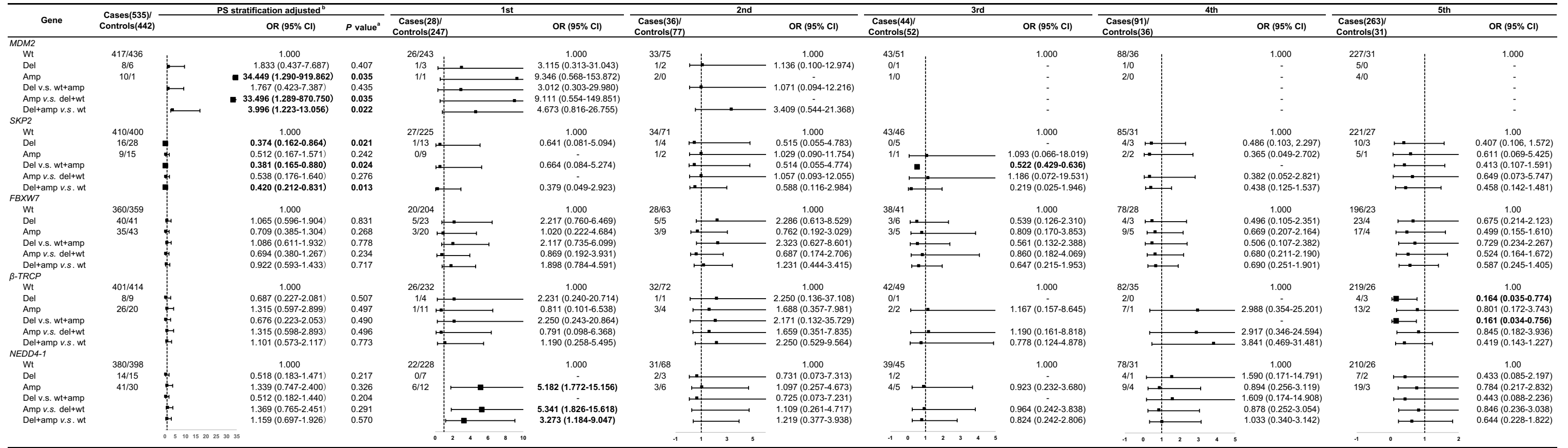
Table S4. The reclassification table and the analysis for categorical net reclassification improvement and integrated discrimination improvement in subgroups based on tumor Duke's Stage.

BI-model	Duke's Stage A+B												Duke's Stage C+D															
	BI+Del-model				BI+Amp-model				BI+Var-model				BI+Del-model				BI+Amp-model				BI+Var-model							
	[0, 0.3)	[0.3, 0.6)	[0.6, 1]	RC %	[0, 0.3)	[0.3, 0.6)	[0.6, 1]	RC %	[0, 0.3)	[0.3, 0.6)	[0.6, 1]	RC %	[0, 0.3)	[0.3, 0.6)	[0.6, 1]	RC %	[0, 0.3)	[0.3, 0.6)	[0.6, 1]	RC %	[0, 0.3)	[0.3, 0.6)	[0.6, 1]	RC %				
<i>CRC cases</i>																												
[0, 0.3)	61	2	0	3	61	2	0	3	55	8	0	13	43	0	0	0	43	0	0	0	43	0	0	0	43	0	0	0
[0.3, 0.6)	2	106	8	9	1	99	16	15	5	88	23	24	2	77	3	6	1	77	4	6	3	74	5	10	3	74	5	10
[0.6, 1]	0	4	136	3	0	3	137	2	0	5	135	4	0	2	72	3	0	3	71	4	0	3	71	4	0	3	71	4
<i>Controls</i>																												
[0, 0.3)	339	12	0	3	345	6	0	2	331	20	0	6	377	2	0	1	376	3	0	1	378	1	0	0	378	1	0	0
[0.3, 0.6)	8	121	3	8	9	115	8	13	16	109	7	17	11	106	4	12	3	116	2	4	11	106	4	12	11	106	4	12
[0.6, 1]	0	3	32	9	0	2	33	6	0	1	34	3	0	0	18	0	0	1	17	6	0	0	18	0	0	0	18	0
<i>Total</i>																												
[0, 0.3)	400	14	0	3	406	8	0	2	386	28	0	7	420	2	0	0	419	3	0	1	421	1	0	0	421	1	0	0
[0.3, 0.6)	10	227	11	8	10	214	4	14	21	197	30	21	13	183	7	10	4	193	6	5	14	180	9	11	14	180	9	11
[0.6, 1]	0	7	168	4	0	5	170	3	0	6	169	3	0	2	90	2	0	4	88	4	0	3	89	3	0	3	89	3
NRI (95% CI) ^a	0.005(-0.026-0.036), <i>P</i> =0.762				0.038(0.004-0.072), <i>P</i>=0.029				0.047(0.001-0.093), <i>P</i> =0.048				0.005(-0.026-0.035), <i>P</i> =0.765				-0.002(-0.032-0.028), <i>P</i> =0.900				0.007(-0.029-0.043), <i>P</i> =0.721							
IDI (95% CI) ^a	0.008(0.002-0.014), <i>P</i>=0.007				0.011(0.004-0.019), <i>P</i>=0.003				0.016(0.007-0.025), <i>P</i><0.001				0.012(0.004-0.020), <i>P</i>=0.003				0.006(-0.001-0.013), <i>P</i> =0.060				0.014(0.005-0.023), <i>P</i>=0.002							
Delta-AUC (95% CI) ^a	0.005(-0.001-0.011), <i>P</i> =0.080				0.010(0.002-0.018), <i>P</i>=0.015				0.012(0.003-0.021), <i>P</i>=0.011				0.005(-0.003-0.014), <i>P</i> =0.215				0.004(-0.001-0.008), <i>P</i> =0.115				0.008(0.001-0.015), <i>P</i>=0.025							

CRC, colorectal cancer; RC, reclassification percent; CI, confidence interval; NRI, net reclassification improvement; IDI, integrated discrimination improvement; AUC, area under the curve.

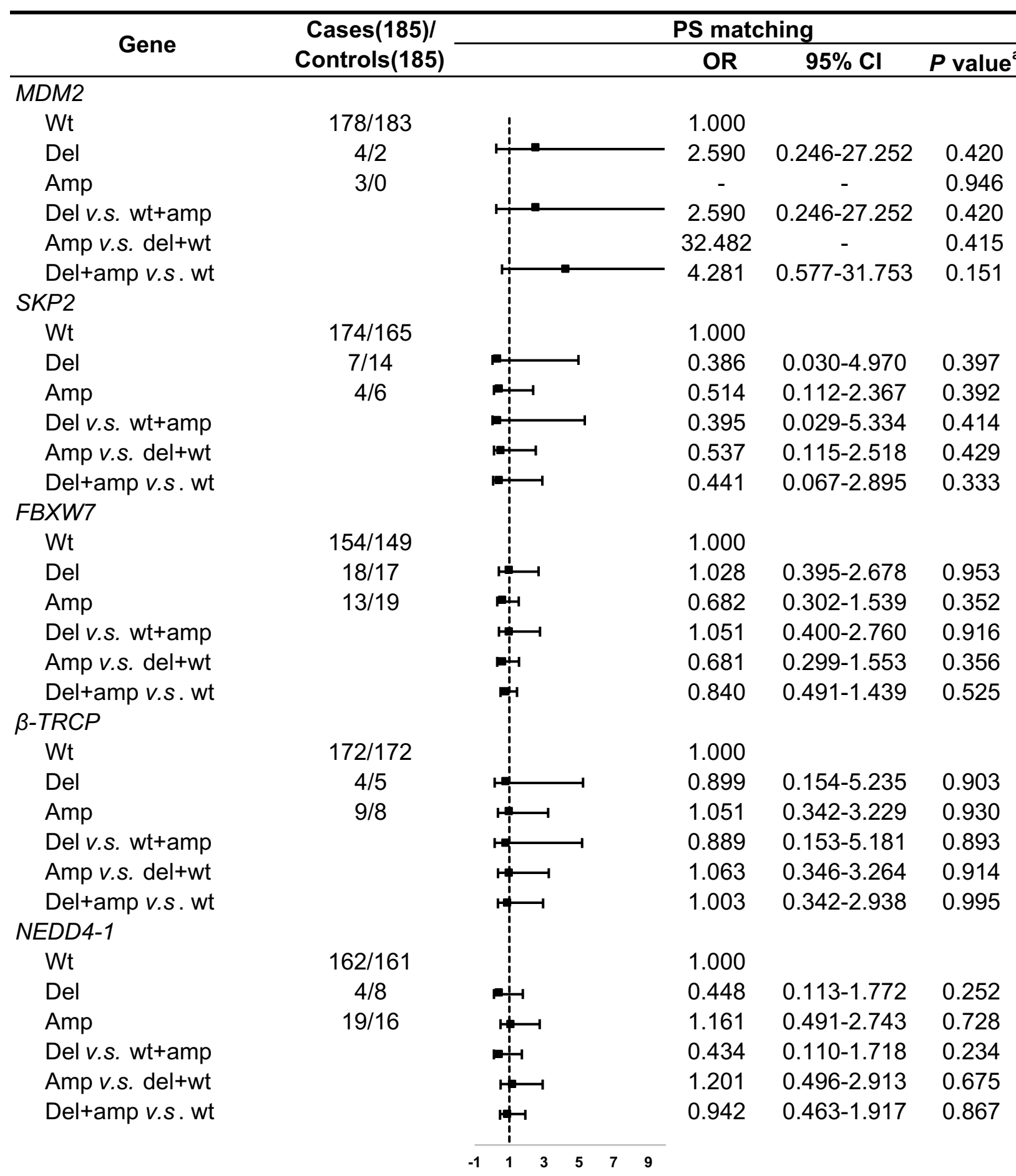
^a *P* values < 0.025 were considered statistically significant.

Figure S1. PS stratification analysis for the associations between gene CNVs and CRC risk. The forest plot showed the estimated ORs of the five genes associated with CRC risk and the bold squares indicated statistically significant.



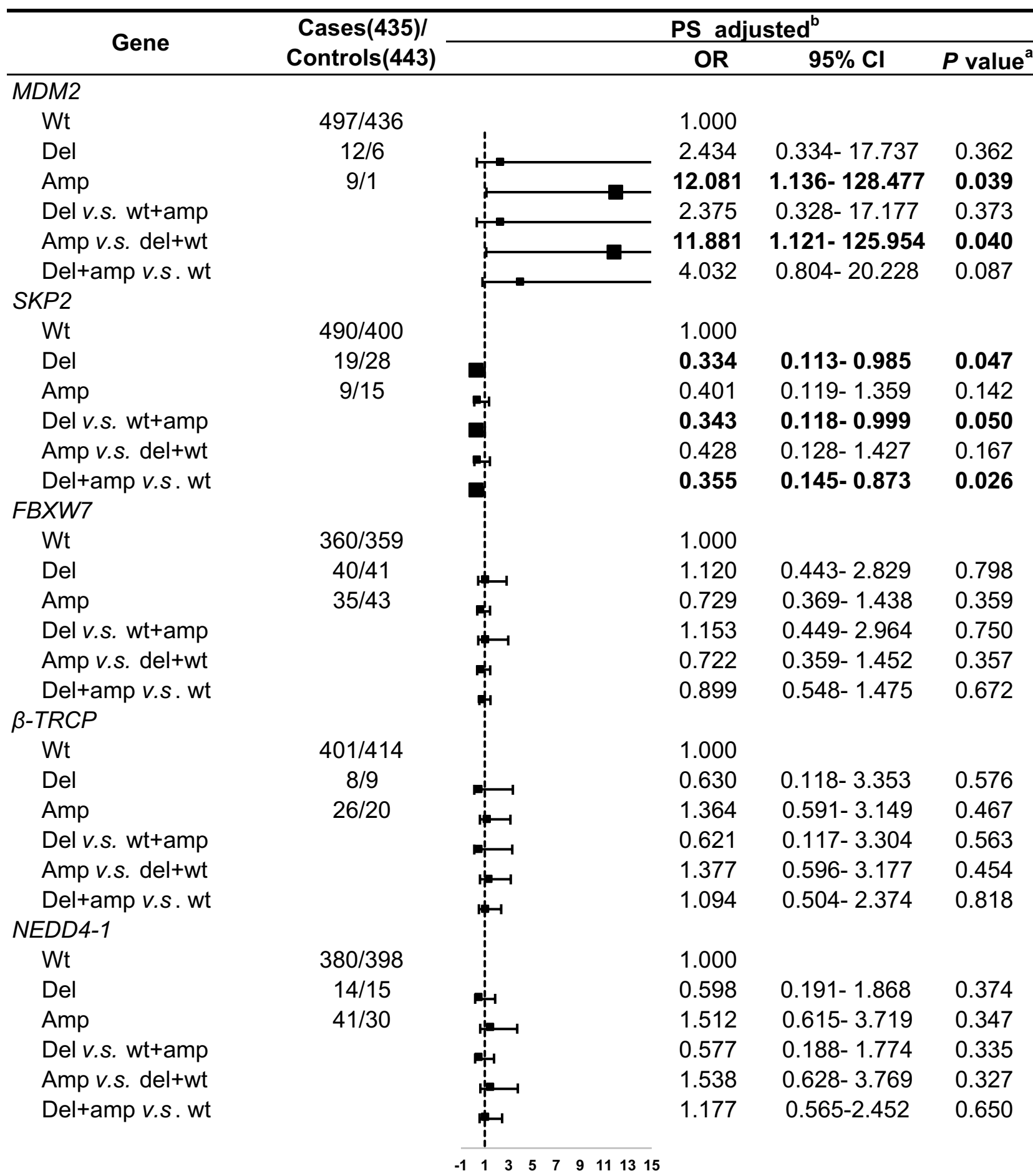
CI, confidence interval; OR, odds ratio; PS, propensity score. ^aP values < 0.05 were considered statistically significant. ^b individuals with extreme propensity scores were excluded (CRC cases [n = 83] and controls [n = 75]).

Figure S2. PS matching analysis for the associations between gene CNVs and CRC risk. The forest plot showed the estimated ORs of the five genes associated with CRC risk and the bold squares indicated statistically significant.



CI, confidence interval; OR, odds ratio; PS, propensity score. ^a *P* values calculated using conditional Logistic regression analysis. *P* values < 0.05 were considered statistically significant.

Figure S3. Sensitivity analysis for the associations between gene CNVs and CRC risk. The forest plot showed the estimated ORs of the five genes associated with CRC risk and the bold squares indicated statistically significant.



CI, confidence interval; OR, odds ratio; PS, propensity score. ^a P values calculated using unconditional Logistic regression analysis, P values < 0.05 were considered statistically significant.

^b individuals with extreme propensity scores were excluded (CRC [n=83] and control [n=75]).