

Cancer eSNPs	eGenes	eQTL source	Cancer Causing Gene (CCG) from COSMIC Cancer Gene Census	Summarised GWAS catalog disease trait	Pubmed ID related to GWAS association
rs2069757	AFF4	PancanQTL	oncogene, fusion	Hodgkin's lymphoma	24920014
rs6596100	AFF4	PancanQTL	oncogene, fusion	Breast cancer	29059683
rs6964587	AKAP9	NESDA.NTR	fusion	Breast cancer	29059683
rs10623258	AKT1	PancanQTL	oncogene	Breast cancer	29059683
rs4767364	ALDH2	NESDA.NTR	fusion	Oral cavity	21437268
rs3184504	ALDH2	PancanQTL	fusion	Endometrial cancer	26621817
rs3184504	ALDH2	PancanQTL	fusion	Colorectal cancer	26151821
rs1014971	APOBEC3B	NESDA.NTR	oncogene, TSG	Bladder cancer	24163127
rs1014971	APOBEC3B	NESDA.NTR	oncogene, TSG	Bladder cancer	20972438
rs17599629	ARNT	NESDA.NTR	oncogene, TSG, fusion	Prostate cancer	25217961
rs7412746	ARNT	GTEX; NESDA.NTR; PancanQTL	oncogene, TSG, fusion	Melanoma	21983785
rs7412746	ARNT	GTEX; NESDA.NTR; PancanQTL	oncogene, TSG, fusion	Melanoma	28212542
rs11169552	ATF1	NESDA.NTR	oncogene, fusion	Colorectal cancer	20972440
rs34245511	ATF1	NESDA.NTR	oncogene, fusion	Colorectal cancer	24737748
rs11374964	ATM	PancanQTL	TSG	Breast cancer	29058716
rs1830298	CASP8	GTEX; NESDA.NTR; PancanQTL	TSG	Breast cancer	29059683
rs13014235	CASP8	NESDA.NTR; PancanQTL	TSG	Non-melanomatous skin cancer	25855136
rs3769821	CASP8	NESDA.NTR; PancanQTL	TSG	Breast cancer	29059683
rs7558911	CASP8	NESDA.NTR	TSG	Chronic lymphocytic leukemia	28165464
rs77688320	CASP8	NESDA.NTR; PancanQTL	TSG	Breast cancer	29059683
rs13016963	CASP8	GTEX; NESDA.NTR; PancanQTL	TSG	Melanoma	21983787

rs13016963	CASP8	GTEX; NESDA.NTR; PancanQTL	TSG	Melanoma	28212542
rs13015798	CASP8	NESDA.NTR	TSG	Chronic lymphocytic leukemia	26956414
rs2080303	CASP8	PancanQTL	TSG	Non- melanomatous skin cancer	27539887
rs2714486	CASP8	NESDA.NTR; PancanQTL	TSG	Breast cancer	29059683
rs3769823	CASP8	NESDA.NTR; PancanQTL	TSG	Non- melanomatous skin cancer	28177523
rs3769825	CASP8	NESDA.NTR	TSG	Chronic lymphocytic leukemia	23770605
rs498136	CCND1	NESDA.NTR	oncogene, fusion	Melanoma	28212542
rs498136	CCND1	NESDA.NTR	oncogene, fusion	Melanoma	26237428
rs8102137	CCNE1	GTEX; PancanQTL	oncogene	Bladder cancer	20972438
rs8102137	CCNE1	GTEX; PancanQTL	oncogene	Bladder cancer	24163127
rs2290400	CDK12	NESDA.NTR	TSG	Acute lymphoblastic leukemia	29348612
rs1321311	CDKN1A	NESDA.NTR	oncogene, TSG	Colorectal cancer	22634755
rs17694493	CDKN2A	PancanQTL	TSG	Prostate cancer	25217961
rs6005807	CHEK2	PancanQTL	TSG	Ovarian cancer	28346442
rs7006527	COX6C	NESDA.NTR	fusion	Non- melanomatous skin cancer	24403052
rs7006527	COX6C	NESDA.NTR	fusion	Non- melanomatous skin cancer	25855136
rs141115006	COX6C	NESDA.NTR	fusion	Non- melanomatous skin cancer	27539887
rs12803321	DDX6	NESDA.NTR	oncogene, fusion	Glioma	26424050
rs12803321	DDX6	NESDA.NTR	oncogene, fusion	Glioma	28346443
rs4808801	ELL	NESDA.NTR; PancanQTL	TSG, fusion	Breast cancer	23535729
rs4808801	ELL	NESDA.NTR; PancanQTL	TSG, fusion	Breast cancer	29059683

rs7258465	ELL	NESDA.NTR; PancanQTL	TSG, fusion	Breast cancer	29059683
rs172032	ELL	GTEX; NESDA.NTR	TSG, fusion	Breast cancer	29059683
rs4808801	ELL	NESDA.NTR; PancanQTL	TSG, fusion	Breast cancer	25751625
rs7529522	FAM46C	NESDA.NTR	TSG	Breast cancer	29059683
rs258322	FANCA	PancanQTL	TSG	Melanoma	19578364
rs258322	FANCA	PancanQTL	TSG	Melanoma	28212542
rs258322	FANCA	PancanQTL	TSG	Melanoma	24980573
rs4785763	FANCA	NESDA.NTR	TSG	Melanoma	19578364
rs1805007	FANCA	PancanQTL	TSG	Non- melanomatous skin cancer	23548203
rs8063761	FANCA	NESDA.NTR	TSG	Non- melanomatous skin cancer	26908436
rs4785763	FANCA	NESDA.NTR	TSG	Melanoma	28212542
rs1805007	FANCA	PancanQTL	TSG	Non- melanomatous skin cancer	21700618
rs258322	FANCA	PancanQTL	TSG	Melanoma	21983787
rs1805007	FANCA	PancanQTL	TSG	Melanoma	28212542
rs1805007	FANCA	PancanQTL	TSG	Non- melanomatous skin cancer	27539887
rs1805007	FANCA	PancanQTL	TSG	Non- melanomatous skin cancer	27424798
rs1800682	FAS	GTEX; NESDA.NTR; PancanQTL	TSG	Chronic lymphocytic leukemia	24292274
rs4406737	FAS	GTEX; NESDA.NTR	TSG	Chronic lymphocytic leukemia	26956414
rs6586163	FAS	NESDA.NTR; PancanQTL	TSG	Chronic lymphocytic leukemia	28165464
rs4406737	FAS	GTEX; NESDA.NTR	TSG	Chronic lymphocytic leukemia	23770605
rs71658797	FUBP1	PancanQTL	oncogene	Lung cancer	28604730
rs17391694	FUBP1	GTEX	oncogene	Lung cancer	28604730
rs71658797	FUBP1	PancanQTL	oncogene	Lung cancer	28604730
rs7953249	HNF1A	PancanQTL	TSG	Ovarian cancer	28346442
rs1110701	IKZF1	NESDA.NTR	TSG, fusion	Acute lymphoblastic leukemia	25310577

rs11978267	IKZF1	NESDA.NTR	TSG, fusion	Acute lymphoblastic leukemia	19684603
rs11978267	IKZF1	NESDA.NTR	TSG, fusion	Acute lymphoblastic leukemia	22076464
rs4132601	IKZF1	NESDA.NTR	TSG, fusion	Acute lymphoblastic leukemia	19684604
rs11978267	IKZF1	NESDA.NTR	TSG, fusion	Acute lymphoblastic leukemia	29348612
rs2167364	IKZF1	NESDA.NTR	TSG, fusion	Acute lymphoblastic leukemia	22076464
rs11980379	IKZF1	NESDA.NTR	TSG, fusion	Acute lymphoblastic leukemia	23996088
rs6964969	IKZF1	NESDA.NTR	TSG, fusion	Acute lymphoblastic leukemia	23512250
rs4132601	IKZF1	NESDA.NTR	TSG, fusion	Acute lymphoblastic leukemia	22076464
rs12203592	IRF4	GTEX	oncogene, TSG, fusion	Non-melanomatous skin cancer	27539887
rs12203592	IRF4	GTEX	oncogene, TSG, fusion	Non-melanomatous skin cancer	23548203
rs12203592	IRF4	GTEX	oncogene, TSG, fusion	Non-melanomatous skin cancer	26829030
rs12203592	IRF4	GTEX	oncogene, TSG, fusion	Non-melanomatous skin cancer	27424798
rs12752552	JAK1	NESDA.NTR; PancanQTL	oncogene, TSG	Glioma	28346443
rs898518	LEF1	NESDA.NTR	oncogene, TSG	Chronic lymphocytic leukemia	23770605
rs7690934	LEF1	NESDA.NTR	oncogene, TSG	Chronic lymphocytic leukemia	28165464
rs11071896	MAP2K1	NESDA.NTR	oncogene	Testicular germ cell tumor	28604728
rs60180747	MAP2K1	NESDA.NTR	oncogene	Testicular germ cell tumor	28604732

rs889312	MAP3K1	NESDA.NTR	oncogene, TSG	Breast cancer	25751625
rs889312	MAP3K1	NESDA.NTR	oncogene, TSG	Breast cancer	17529967
rs889312	MAP3K1	NESDA.NTR	oncogene, TSG	Breast cancer	20453838
rs1862626	MAP3K1	NESDA.NTR	oncogene, TSG	Breast cancer	27197191
rs889312	MAP3K1	NESDA.NTR	oncogene, TSG	Breast cancer	24493630
rs62355902	MAP3K1	NESDA.NTR	oncogene, TSG	Breast cancer	29059683
rs62355901	MAP3K1	NESDA.NTR	oncogene, TSG	Breast cancer	29059683
rs889312	MAP3K1	NESDA.NTR	oncogene, TSG	Breast cancer	23535729
rs6890270	MAP3K1	NESDA.NTR	oncogene, TSG	Breast cancer	29059683
rs16886181	MAP3K1	NESDA.NTR	oncogene, TSG	Breast cancer	24493630
rs4245739	MDM4	NESDA.NTR; PancanQTL	oncogene	Breast cancer	23535733
rs4245739	MDM4	NESDA.NTR; PancanQTL	oncogene	Breast cancer	29058716
rs4245739	MDM4	NESDA.NTR; PancanQTL	oncogene	Prostate cancer	23535732
rs4245739	MDM4	NESDA.NTR; PancanQTL	oncogene	Breast cancer	27117709
rs4252707	MDM4	NESDA.NTR	oncogene	Glioma	28346443
rs6920364	MLLT4	NESDA.NTR	oncogene, fusion	Lung cancer	28604730
rs760077	MUC1	GTEX	fusion	Gastric cancer	26098866
rs1707302	MUTYH	PancanQTL	TSG	Breast cancer	29059683
rs1447295	MYC	PancanQTL	oncogene, fusion	Prostate cancer	19767754
rs1447295	MYC	PancanQTL	oncogene, fusion	Prostate cancer	17401363
rs1447295	MYC	PancanQTL	oncogene, fusion	Prostate cancer	17401366
rs1447295	MYC	PancanQTL	oncogene, fusion	Prostate cancer	24753544
rs7404843	MYH11	NESDA.NTR	fusion	Testicular germ cell tumor	28604728
rs79480871	NCOA1	NESDA.NTR	fusion	Diffuse large B cell lymphoma	25261932
rs10993994	NCOA4	GTEX; NESDA.NTR	TSG, fusion	Prostate cancer	26034056
rs10993994	NCOA4	GTEX; NESDA.NTR	TSG, fusion	Prostate cancer	18264096

rs10993994	NCOA4	GTEX; NESDA.NTR	TSG, fusion	Prostate cancer	18264097
rs10763567	NCOA4	NESDA.NTR; PancanQTL	TSG, fusion	Prostate cancer	27262462
rs10993994	NCOA4	GTEX; NESDA.NTR	TSG, fusion	Prostate cancer	24753544
rs10993994	NCOA4	GTEX; NESDA.NTR	TSG, fusion	Prostate cancer	25939597
rs3123078	NCOA4	NESDA.NTR; PancanQTL	TSG, fusion	Prostate cancer	19767753
rs7034162	NFIB	GTEX	fusion	Osteosarcoma	26084801
rs368187	NKX2-1	PancanQTL	oncogene, TSG	Thyroid cancer	28195142
rs57994353	NOTCH1	NESDA.NTR	oncogene, TSG, fusion	Non-melanomatous skin cancer	27424798
rs4236709	NRG1	NESDA.NTR; PancanQTL	TSG, fusion	Lung cancer	28604730
rs2439302	NRG1	NESDA.NTR; PancanQTL	TSG, fusion	Thyroid cancer	22267200
rs2466076	NRG1	NESDA.NTR; PancanQTL	TSG, fusion	Thyroid cancer	28195142
rs3850699	NT5C2	NESDA.NTR	oncogene	Prostate cancer	23535732
rs928674	NUP214	NESDA.NTR	fusion	Oral cavity cancer	27749845
rs3802842	POU2AF1	NESDA.NTR	oncogene, fusion	Colorectal cancer	18372901
rs6589219	POU2AF1	NESDA.NTR	oncogene, fusion	Colorectal cancer	28960316
rs3802842	POU2AF1	NESDA.NTR	oncogene, fusion	Colorectal cancer	26151821
rs2594714	PRKACA	PancanQTL	oncogene	Breast cancer	29059683
rs1432295	REL	NESDA.NTR	oncogene	Hodgkin's lymphoma	21037568
rs4888262	RFWD3	NESDA.NTR; PancanQTL	TSG	Testicular germ cell tumor	23666239
rs4888262	RFWD3	NESDA.NTR; PancanQTL	TSG	Testicular germ cell tumor	28604732
rs4888262	RFWD3	NESDA.NTR; PancanQTL	TSG	Testicular germ cell tumor	28604728
rs7193541	RFWD3	GTEX; NESDA.NTR; PancanQTL	TSG	Multiple myeloma	27363682
rs9905704	RNF43	NESDA.NTR	TSG	Testicular germ cell tumor	28604728

rs9905704	RNF43	NESDA.NTR	TSG	Testicular germ cell tumor	23666240
rs9905704	RNF43	NESDA.NTR	TSG	Testicular germ cell tumor	28604732
rs9905704	RNF43	NESDA.NTR	TSG	Testicular germ cell tumor	23666239
rs7229639	SMAD2	PancanQTL	TSG	Colorectal cancer	24836286
rs2289261	SMAD3	PancanQTL	TSG	Thyroid cancer	28195142
rs56062135	SMAD3	PancanQTL	TSG	Thyroid cancer	28195142
rs34245511	SMARCD1	NESDA.NTR	TSG	Colorectal cancer	24737748
rs401681	TERT	GTEX	oncogene, TSG	Non-melanomatous skin cancer	19151717
rs401681	TERT	GTEX	oncogene, TSG	Bladder cancer	24163127
rs401681	TERT	GTEX	oncogene, TSG	Lung cancer	18978787
rs401681	TERT	GTEX	oncogene, TSG	Non-melanomatous skin cancer	24403052
rs401681	TERT	GTEX	oncogene, TSG	Non-melanomatous skin cancer	25855136
rs2853676	TERT	GTEX	oncogene, TSG	Glioma	19578367
rs401681	TERT	GTEX	oncogene, TSG	Melanoma	21983787
rs17838698	TGFBR2	NESDA.NTR	TSG	Breast cancer	29059683
rs78378222	TP53	NESDA.NTR	oncogene, TSG, fusion	Non-melanomatous skin cancer	27539887
rs78378222	TP53	NESDA.NTR	oncogene, TSG, fusion	Non-melanomatous skin cancer	24403052
rs78378222	TP53	NESDA.NTR	oncogene, TSG, fusion	Non-melanomatous skin cancer	25855136
rs78378222	TP53	NESDA.NTR	oncogene, TSG, fusion	Glioma	28346443
rs78378222	TP53	NESDA.NTR	oncogene, TSG, fusion	Non-melanomatous skin cancer	21946351
rs35850753	TP53	NESDA.NTR	oncogene, TSG, fusion	Glioma	26424050
rs8753	TP53	NESDA.NTR	oncogene, TSG, fusion	Glioma	26424050

rs67340775	TRIM27	PancanQTL	oncogene, fusion	Lung cancer	28604730
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