

Supplementary tables and figures

Breast Atrophy	Breast reduction in size after radiotherapy.	1 = Minimal asymmetry; minimal atrophy 2 = Moderate asymmetry; moderate atrophy 3 = Asymmetry >1/3 of breast volume; severe atrophy
Breast Oedema	A disorder characterized by swelling due to excessive subcutaneous fluid accumulation in the breast.	1 = Localized to dependent areas, no disability or functional impairment 2 = Moderate localized oedema and intervention indicated; limiting instrumental ADL 3 = Severe localized edema and intervention indicated; limiting self-care ADL
Telangiectasia	Radiation induced dilatation of small blood vessels in the skin.	1 = Telangiectasias covering <10% BSA 2 = Telangiectasias covering >10% BSA; associated with psychosocial impact
Induration	Subcutaneous thickening of the tissues.	1 = Mild induration, able to move skin parallel to plane (sliding) and perpendicular to skin (pinching up) 2 = Moderate induration, able to slide skin, unable to pinch skin; limiting instrumental ADL 3 = Severe induration, unable to slide or pinch skin; limiting joint movement or orifice (e.g., mouth, anus); limiting self-care ADL
Hyperpigmentation	Permanent alteration of skin colour after radiotherapy	1 = Hyperpigmentation covering <10% BSA; no psychosocial impact 2 = Hyperpigmentation covering >10% BSA; associated psychosocial impact
Lymphoedema	A disorder characterized by excessive fluid collection in tissues that causes swelling.	1 = Trace thickening or faint discoloration 2 = Marked discoloration; leathery skin texture; papillary formation; limiting instrumental ADL 3 = Severe symptoms; limiting self-care ADL
Nipple Retraction	A disorder characterized by a malformation of the nipple.	1 = Asymptomatic; asymmetry with slight retraction and/or thickening of the nipple areolar complex 2 = Symptomatic; asymmetry of nipple areolar complex with moderate retraction and/or thickening of the nipple areolar complex

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	Arm Lymphoedema ≥G1 (N = 1701)			Induration inside tumour bed ≥G1 (N= 1686)			Induration outside tumour bed ≥G1 (N = 1704)			Induration ≥G2 (N = 1727)			Nipple Retraction ≥G2 (N = 1702)		
	Estimate	Std.error	P value	Estimate	Std.error	P value	Estimate	Std.error	P value	Estimate	Std.error	P value	Estimate	Std.error	P value
Age	0.02698	0.01374	0.04957	0.017735	0.009498	0.0619	0.013525	0.005802	0.01974-	-	-	-	0.04619	0.02448	0.059179
BMI	0.04489	0.02378	0.05903	0.041948	0.018806	0.0257	0.027101	0.011751	0.02109	0.03419	0.01353	0.01152-	-	-	-
Smoking	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chemotherapy Biologically effective dose (BED)	1.08543	0.34804	0.00182	-	-	-	0.427796	0.138797	0.00205-	-	-	-	-	-	-
Alcohol	-	-	-	0.411714	0.213351	0.0536	-	-	-	-	-	-	-	-	-
Diabetes	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cardiovascular disease	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rheumatoid arthritis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ace inhibitor	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anti-Diabetic treatment	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Anti-Depressant treatment	-1.07287	0.62632	0.08671	-	-	-	-	-	-	-	-	-	-	-	-
Statin use	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Wide local excision (vs quadrantectomy)	-	-	-	0.507388	0.209517	0.0154	0.378381	0.183652	0.03937-	-	-	-	-	-	-
Axillary sentinel node biopsy (SNB)	-	-	-	-	-	-	-	-	-	0.67319	0.43848	0.12471-	-	-	-
Axillary node clearance (ANC)	-	-	-	-	-	-	-	-	-	0.97094	0.49661	0.05057-	-	-	-
SNB followed by ANC	-	-	-	-	-	-	-	-	-	1.39047	0.47259	0.00326-	-	-	-
IMRT – simple field-in- field	-	-	-	-	-	-	0.302192	0.186353	0.10489-	-	-	-	-	-	-
IMRT – complex modulated	-	-	-	-	-	-	-0.444193	0.223469	0.04684-	-	-	-	-	-	-
Radiation Axilla	-	-	-	-0.801206	0.335734	0.017	-	-	-	0.59062	0.21512	0.00604-	-	-	-
Radiation to the Supraclavicular fossa	1.55036	0.32235	0.00000151	1.58398	0.273835	7.28E-09	0.697541	0.175185	0.0000684-	-	-	-	1.72165	0.5551	0.001925
Endocrine treatment (tamoxifen)	-	-	-	-	-	-	-	-	-	-	-	-	0.97587	0.55399	0.078149

	Arm Lymphoedema ≥G1 (N = 1701)			Induration inside tumour bed ≥G1 (N= 1686)			Induration outside tumour bed ≥G1 (N = 1704)			Induration ≥G2 (N = 1727)			Nipple Retraction ≥G2 (N = 1702)		
Hypertension	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Radiation Boost	-	-	-	0.706772	0.263883	0.0074	0.823789	0.157368	1.65E-07	0.49527	0.19301	0.01029-	-	-	-
Post-operative haematoma	1.03368	0.32696	0.00157	-	-	-	-	-	-	0.40927	0.20522	0.04612-	-	-	-
Post-operative infection	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hypofractionated Radiotherapy	-0.49411	0.33964	0.14572	-	-	-	-	-	-	0.38053	0.17115	0.02619-	-	-	-

	Telangiectasia ≥G1 (N = 1742)			Breast Atrophy ≥G1 (N = 1543)			Breast Atrophy ≥G2 (N = 1683)			Nipple Retraction ≥G1 (N = 1592)			Oedema ≥G1 (N = 1616)			Oedema ≥G2 (N = 1689)					
	Estimate	Std.error	P value	Estimate	Std.error	P value	Estimate	Std.error	P value	Estimate	Std.error	P value	Estimate	Std.error	P value	Estimate	Std.error	P value			
Age	0.028529	0.0092120	0.00196	0.012520	0.006193	0.04321	0.025072	0.008426	0.00293	0.012941	0.008439	0.125170	0.012986	0.008125	0.109975	-	-	-			
BMI	0.095759	0.0152653	5.3 x10 ⁻¹⁰	0.036694	0.011463	0.00137	0.067221	0.014561	0.0000039	0.049015	0.016961	0.00385	0.061643	0.014603	2.43e-05	0.06442	0.03337	0.053533			
Smoking	-	-	-	-	-	-	0.32811	0.165708	0.0477-	-	-	-	-	-	-	-0.94046	0.44751	0.035593			
Chemotherapy	-	-	-	0.434094	0.132905	0.00109-	-	-	-	-	-	-	-	-	-	-	-	-			
Biological effective dose-	-	-	-	-	-	-	-	-	-	0.079286	0.025261	0.00170	-	-	-	-	-	-			
Alcohol	-	-	-	-0.243054	0.122748	0.04769-	-	-	-	-	-	-	-	-	-	0.94355	0.425	0.026411			
Diabetes	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Cardiovascular disease	0.624692	0.290005	0.03123-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Rheumatoid arthritis	-	-	-	0.490635	0.311071	0.11474-	-	-	-	-	-	-	-	-	-	-	-	-			
Ace inhibitor	-	-	-	-	-	-	-0.708879	0.353056	0.04466-	-	-	-	-	-	-	-0.629506	0.361465	0.081589	-1.1487	1.04509	0.27171
Anti-diabetic treatment	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Anti-Depressant treatment	-	-	-	-	-	-	-	-	-	-0.770046	0.333385	0.02090	0.719910	0.217389	0.000928	0.87375	0.46065	0.057858			
Statin use	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			

	Telangiectasia ≥G1 (N = 1742)			Breast Atrophy ≥G1 (N = 1543)			Breast Atrophy ≥G2 (N = 1683)			Nipple Retraction ≥G1 (N = 1592)			Oedema ≥G1 (N = 1616)			Oedema ≥G2 (N = 1689)		
Wide local excision (vs quadrantectomy)	-	-	-	0.556254	0.175060	0.00149-	-	-	-	0.919278	0.270243	0.00067	0.657076	0.194505	0.000730-	-	-	-
Axillary sentinel node biopsy (SNB)	0.923723	0.524588	0.07826-	-	-	-	-	-	-	0.741046	0.486144	0.12743	0.713730	0.486152	0.142071-	-	-	-
Axillary node clearance (ANC)	1.607389	0.600113	0.0074-	-	-	-	-	-	-	1.436454	0.537135	0.00749	1.279771	0.548314	0.019595-	-	-	-
SNB followed by ANC	1.544822	0.573972	0.00711-	-	-	-	-	-	-	0.977554	0.537161	0.06878	1.066458	0.537915	0.047415-	-	-	-
IMRT – simple field-in-field	-	-	-	0.369566	0.175256	0.03497	1.326782	0.175493	4.02E-14	0.337708	0.255537	0.18631-	-	-	-	-	-	-
IMRT – complex modulated	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Radiation Axilla	-0.816374	0.353953	0.02109-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Radiation to the																		
Supraclavicular fossa	-	-	-	-	-	-	0.494997	0.229812	0.03125-	-	-	-	0.486311	0.250272	0.052001	1.4066	0.4123	0.000646
Endocrine treatment (tamoxifen)	-	-	-	-	-	-	-0.342545	0.180377	0.05756-	-	-	-	-	-	-	-	-	-
Hypertension	-	-	-	-0.282200	0.144685	0.05112-	-	-	-	-	-	-	-	-	-	-	-	-
Radiation Boost	-	-	-	0.160862	0.140074	0.25080	0.401596	0.191652	0.03613	0.476270	0.225481	0.03467	0.680175	0.230722	0.003198-	-	-	-
Post-operative haematoma	-	-	-	-0.365258	0.197109	0.06387-	-	-	-	-	-	-	-	-	-	-1.25612	0.78319	0.10875
Post-operative infection	-	-	-	-	-	-	-	-	-	-1.335957	0.612602	0.02920-	-	-	-	-	-	-
Hypofractionated Radiotherapy	-	-	-	-	-	-	-	-	-	0.422874	0.244414	0.08360-0.281875	0.209171	0.177793	-	-	-	-

Gene	rs number	Late Toxicity	Reference
<i>ATM</i>	rs1801516	Overall toxicity	Andreassen et al. 2016 Radioth Oncol https://pubmed.ncbi.nlm.nih.gov/27443449/
<i>MLH1</i>	rs1800734	Acute dermatitis	De Langhe et al. 2014 BMC Cancer https://pubmed.ncbi.nlm.nih.gov/25252713/
<i>XRCC1</i>	rs2682585	Skin toxicity	Seibold et al. 2015 IROBP https://pubmed.ncbi.nlm.nih.gov/26072091/
<i>TNFalpha</i>	rs1800629	Telangiectasia	Talbot et al. 2012 Br J Cancer https://pubmed.ncbi.nlm.nih.gov/22767148/
<i>TNFalpha</i>	rs2857595	Overall toxicity	
<i>TNFalpha</i>	(proxy in high LD with rs1800629)		Talbot et al. 2012 Br J Cancer
<i>TGFB</i>	rs1800469	Overall toxicity and Fibrosis	Barnett et al. 2012 Radioth Oncol https://pubmed.ncbi.nlm.nih.gov/23199655/
Near <i>INO80D</i>	rs16837908	Telangiectasia	Barnett et al. 2014 Radioth Oncol (GWAS Tab. 4, MVA) https://pubmed.ncbi.nlm.nih.gov/24785509/
<i>PRKDC</i>	rs8178046	Pain	Barnett et al. 2014 Radioth Oncol (GWAS Tab. 4, MVA)
Near <i>SEMA6D</i>	rs11854033	Telangiectasia	Barnett et al. 2014 Radioth Oncol (GWAS Tab. 4, MVA)
Near <i>SEMA6D</i>	rs16958536	Telangiectasia	Barnett et al. 2014 Radioth Oncol (GWAS Tab. 4, MVA)
Near <i>MTPN</i>	rs12531679	Pain	Barnett et al. 2014 Radioth Oncol (GWAS Tab. 4, MVA)
<i>CCRN4L</i>	rs13116075	Overall toxicity	Barnett et al. 2014 Radioth Oncol (GWAS Tab. 4, MVA)
Near <i>LRFN5</i>	rs8004909	Overall toxicity	Barnett et al. 2014 Radioth Oncol (GWAS Tab. 4, MVA)
<i>TMEM187</i>	rs6643653	Telangiectasia	Barnett et al. 2014 Radioth Oncol (GWAS Tab. 4, MVA)
<i>C10orf113</i>	rs12243039	Overall toxicity	Barnett et al. 2014 Radioth Oncol (GWAS Tab. 4, MVA)
<i>PTPRN2</i>	rs221277	Telangiectasia	Barnett et al. 2014 Radioth Oncol (GWAS Tab. 4, MVA)
Near <i>SLFN14</i>	rs2840044	Overall toxicity	Barnett et al. 2014 Radioth Oncol (GWAS Tab. 4, MVA)
<i>NDUFA8</i>	rs7037705	Overall toxicity	Barnett et al. 2014 Radioth Oncol (GWAS Tab. 4, MVA)
Near <i>PLXNA2</i>	rs12565978	Telangiectasia	Barnett et al. 2014 Radioth Oncol (GWAS Tab. 4, MVA)
<i>TMTC1</i>	rs17549779	Telangiectasia	Barnett et al. 2014 Radioth Oncol (GWAS Tab. 4, MVA)
Near <i>C9orf50</i>	rs1616208	Overall toxicity	Barnett et al. 2014 Radioth Oncol (GWAS Tab. 4, MVA)
Near <i>CCDC129</i>	rs882460	Overall toxicity	Barnett et al. 2014 Radioth Oncol (GWAS Tab. 4, MVA)
Near <i>LINC00470</i>	rs218526	Overall toxicity	Barnett et al. 2014 Radioth Oncol (GWAS Tab. 4, MVA)
<i>SATB2</i>	rs2881208	Overall toxicity	Barnett et al. 2014 Radioth Oncol (GWAS Tab. 4, MVA)
<i>ANKH</i>	rs10060885	Overall toxicity	Barnett et al. 2014 Radioth Oncol (GWAS Tab. 4, MVA)
near <i>ST8SIA4</i>	rs575018	Overall toxicity	Barnett et al. 2014 Radioth Oncol (GWAS Suppl. Tab 5, UVA)
near <i>ST8SIA4</i>	rs505994	Overall toxicity	Barnett et al. 2014 Radioth Oncol (GWAS Suppl. Tab 5, UVA)
<i>LY86-AS1</i>	rs17142289	Overall toxicity	Barnett et al. 2014 Radioth Oncol (GWAS Suppl. Tab 5, UVA)
near <i>ELAVL2</i>	rs6475752	Overall toxicity	Barnett et al. 2014 Radioth Oncol (GWAS Suppl. Tab 5, UVA)
near <i>HRH4</i>	rs17798101	Overall toxicity	Barnett et al. 2014 Radioth Oncol (GWAS Suppl. Tab 5, UVA)
near <i>ST8SIA4</i>	rs557953	Overall toxicity	Barnett et al. 2014 Radioth Oncol (GWAS Suppl. Tab 5, UVA)
near <i>SLC20A1</i>	rs10280848	Overall toxicity	Barnett et al. 2014 Radioth Oncol (GWAS Suppl. Tab 5, UVA)
near <i>NCR2</i>	rs4849101	Overall toxicity	Barnett et al. 2014 Radioth Oncol (GWAS Suppl. Tab 5, UVA)
near <i>TYW1</i>	rs596917	Overall toxicity	Barnett et al. 2014 Radioth Oncol (GWAS Suppl. Tab 5, UVA)
near <i>TYW1</i>	rs7791642	Telangiectasia	Barnett et al. 2014 Radioth Oncol (GWAS Suppl. Tab 5, UVA)
near <i>TYW1</i>	rs4234649	Overall toxicity	Barnett et al. 2014 Radioth Oncol (GWAS Suppl. Tab 5, UVA)
<i>TGDS</i>	rs9556403	Overall toxicity	Barnett et al. 2014 Radioth Oncol (GWAS Suppl. Tab 5, UVA)
near <i>TGDS</i>	rs2009253	Pain	Barnett et al. 2014 Radioth Oncol (GWAS Suppl. Tab 5, UVA)
near <i>TGDS</i>	rs4496520	Overall toxicity	Barnett et al. 2014 Radioth Oncol (GWAS Suppl. Tab 5, UVA)
between <i>PEPD and CHST8</i>	rs754692	Pain	Barnett et al. 2014 Radioth Oncol (GWAS Suppl. Tab 5, UVA)
<i>KCNMB2</i>	rs9825087	Pain	Barnett et al. 2014 Radioth Oncol (GWAS Suppl. Tab 5, UVA)
<i>LINC00640</i>	rs2884058	Overall toxicity	Barnett et al. 2014 Radioth Oncol (GWAS Suppl. Tab 5, UVA)
<i>LINC00640</i>	rs7160689	Overall toxicity	Barnett et al. 2014 Radioth Oncol (GWAS Suppl. Tab 5, UVA)
near <i>GAPT</i>	rs10057028	Pain	Barnett et al. 2014 Radioth Oncol (GWAS Suppl. Tab 5, UVA)
near <i>GAPT</i>	rs4583642	Overall toxicity	Barnett et al. 2014 Radioth Oncol (GWAS Suppl. Tab 5, UVA)
<i>GPC6</i>	rs1323982	Telangiectasia	Barnett et al. 2014 Radioth Oncol (GWAS Suppl. Tab 5, UVA)
<i>SNORA17</i>	rs2275160	Overall toxicity	Barnett et al. 2014 Radioth Oncol (GWAS Suppl. Tab 5, UVA)
<i>PINK1</i>	rs10916837	Telangiectasia	Barnett et al. 2014 Radioth Oncol (GWAS Suppl. Tab 5, UVA)
near <i>HPGDS</i>	rs6839224	Pain	Barnett et al. 2014 Radioth Oncol (GWAS Suppl. Tab 5, UVA)
<i>FBN2</i>	rs468606	Telangiectasia	Barnett et al. 2014 Radioth Oncol (GWAS Suppl. Tab 5, UVA)
near <i>FBN2</i>	rs6689639	Pain	Barnett et al. 2014 Radioth Oncol (GWAS Suppl. Tab 5, UVA)

Gene	rs number	Late Toxicity	Reference
<i>PRRX2</i>	rs7858199	Telangiectasia	Barnett et al. 2014 Radioth Oncol (GWAS Suppl. Tab 5, UVA)
<i>near LUZP6 and MTPN</i>	rs741632	Pain	Barnett et al. 2014 Radioth Oncol (GWAS Suppl. Tab 5, UVA)
	rs9564166	Overall toxicity	Barnett et al. 2014 Radioth Oncol (GWAS Suppl. Tab 5, UVA)
<i>near ACSL4</i>	rs17320513	Pain	Barnett et al. 2014 Radioth Oncol (GWAS Suppl. Tab 5, UVA)
<i>GABRB3</i>	rs718304	Overall toxicity	Barnett et al. 2014 Radioth Oncol (GWAS Suppl. Tab 5, UVA)
<i>near SOX9</i>	rs7207922	Pain	Barnett et al. 2014 Radioth Oncol (GWAS Suppl. Tab 5, UVA)
<i>near MIR5197</i>	rs6873289	Telangiectasia	Barnett et al. 2014 Radioth Oncol (GWAS Suppl. Tab 5, UVA)
	rs17317739	Telangiectasia	Barnett et al. 2014 Radioth Oncol (GWAS Suppl. Tab 5, UVA)
<i>SMARCAD1</i>	rs2306802	Pain	Barnett et al. 2014 Radioth Oncol (GWAS Suppl. Tab 5, UVA)
<i>RYR1</i>	rs7258075	Overall toxicity	Barnett et al. 2014 Radioth Oncol (GWAS Suppl. Tab 5, UVA)
<i>KCNMB3</i>	rs9837342	Pain	Barnett et al. 2014 Radioth Oncol (GWAS Suppl. Tab 5, UVA)
<i>CSMD1</i>	rs12544537	Telangiectasia	Barnett et al. 2014 Radioth Oncol (GWAS Suppl. Tab 5, UVA)
<i>near ZFP36L1</i>	rs761951	Telangiectasia	Barnett et al. 2014 Radioth Oncol (GWAS Suppl. Tab 5, UVA)
	rs16903428	Overall toxicity	Barnett et al. 2014 Radioth Oncol (GWAS Suppl. Tab 5, UVA)
<i>between SLC13A1 and TAS2R16</i>	rs4288315	Overall toxicity	Barnett et al. 2014 Radioth Oncol (GWAS Suppl. Tab 5, UVA)
<i>MYO9A</i>	rs7183055	Telangiectasia	Barnett et al. 2014 Radioth Oncol (GWAS Suppl. Tab 5, UVA)
<i>SLIT3</i>	rs1875976	Shrinkage	Barnett et al. 2014 Radioth Oncol (GWAS Suppl. Tab 5, UVA)
<i>ARAP1</i>	rs1157343	Overall toxicity	Barnett et al. 2014 Radioth Oncol (GWAS Suppl. Tab 5, UVA)
	rs730424	Overall toxicity	Barnett et al. 2014 Radioth Oncol (GWAS Suppl. Tab 5, UVA)
<i>between JUN and FGGY</i>	rs12088220	Shrinkage	Barnett et al. 2014 Radioth Oncol (GWAS Suppl. Tab 5, UVA)
<i>SOGA2</i>	rs568267	Telangiectasia	Barnett et al. 2014 Radioth Oncol (GWAS Suppl. Tab 5, UVA)
<i>FAT3</i>	rs539194	Telangiectasia	Barnett et al. 2014 Radioth Oncol (GWAS Suppl. Tab 5, UVA)
<i>TNC</i>	rs10982515	Telangiectasia	Barnett et al. 2014 Radioth Oncol (GWAS Suppl. Tab 5, UVA)
<i>CUL2</i>	rs2505642	Overall toxicity	Barnett et al. 2014 Radioth Oncol (GWAS Suppl. Tab 5, UVA)
<i>WNK1</i>	rs12823710	Shrinkage	Barnett et al. 2014 Radioth Oncol (GWAS Suppl. Tab 5, UVA)
<i>BAZ1A</i>	rs2275145	Shrinkage	Barnett et al. 2014 Radioth Oncol (GWAS Suppl. Tab 5, UVA)
<i>TMEM51</i>	rs12145963	Overall toxicity	Barnett et al. 2014 Radioth Oncol (GWAS Suppl. Tab 5, UVA)
<i>near ZNF304</i>	rs10426777	Shrinkage	Barnett et al. 2014 Radioth Oncol (GWAS Suppl. Tab 5, UVA)
<i>near SOX9</i>	rs12939271	Shrinkage	Barnett et al. 2014 Radioth Oncol (GWAS Suppl. Tab 5, UVA)
<i>WNK1</i>	rs10849573	Shrinkage	Barnett et al. 2014 Radioth Oncol (GWAS Suppl. Tab 5, UVA)
	rs10517190	Overall toxicity	Barnett et al. 2014 Radioth Oncol (GWAS Suppl. Tab 5, UVA)
	rs1503967	Overall toxicity	Barnett et al. 2014 Radioth Oncol (GWAS Suppl. Tab 5, UVA)
<i>SGCZ</i>	rs12675018	Telangiectasia	Barnett et al. 2014 Radioth Oncol (GWAS Suppl. Tab 5, UVA)
<i>near FCRL5</i>	rs12562052	Shrinkage	Barnett et al. 2014 Radioth Oncol (GWAS Suppl. Tab 5, UVA)
<i>HHAT</i>	rs926581	Shrinkage	Barnett et al. 2014 Radioth Oncol (GWAS Suppl. Tab 5, UVA)
<i>in RFFL or near the LIG3 gene</i>	rs16970540	Pain	Lee et al. 2019 Hum Genomics
<i>ABCC4/MPR4</i>	rs4584690	Pain	Lee et al. 2019 Hum Genomics
<i>ABCC4/MPR4</i>	rs7335912	Pain	Lee et al. 2019 Hum Genomics
<i>EGFL6</i>	rs73633565	Pain	Lee et al. 2019 Hum Genomics

<https://pubmed.ncbi.nlm.nih.gov/31196165/>

Arm Lymphedema ≥G1

rs number	Gene	REF	ALT	A1	BETA	Standard Error	P-value
rs12531679	<i>near MTPN</i>	G	A	A	-0.0725055	0.0328887	0.027628
rs741632	<i>near LUZP6 and MTPN</i>	C	T	T	-0.0426391	0.0221812	0.054747
rs761951	<i>near ZFP36L1</i>	G	T	G	-0.0448808	0.0246561	0.068907
rs10982515	<i>TNC</i>	A	G	G	0.0578029	0.0327334	0.0776107
rs1800629	<i>TNFalpha</i>	G	A	A	0.0388565	0.0255564	0.128605
rs4288315	<i>between SLC13A1 and TAS2R16</i>	C	T	T	0.0525465	0.0353596	0.137462
rs730424	<i>0</i>	G	A	A	0.0576296	0.0400781	0.150651
rs1616208	<i>Near C9orf50</i>	G	A	A	-0.0257559	0.0193758	0.183946
rs2857595	<i>TNFalpha</i>	G	A	A	0.0312277	0.0236413	0.186727
rs596917	<i>near NCR2</i>	G	T	T	0.0225413	0.0178591	0.207073
rs12088220	<i>between JUN and FGGY</i>	C	G	G	0.0380941	0.0318187	0.2314
rs12145963	<i>TMEM51</i>	C	T	T	0.0200969	0.0177223	0.25697
rs6475752	<i>near ELAVL2</i>	T	G	T	-0.0211319	0.0187522	0.259957
rs10517190	<i>0</i>	T	G	G	0.0208421	0.0185743	0.261993
rs1503967	<i>0</i>	G	A	A	0.0207705	0.0185659	0.26342
rs505994	<i>near ST8SIA4</i>	A	C	C	0.0190386	0.0173323	0.272178
rs575018	<i>near ST8SIA4</i>	C	T	C	0.0189964	0.0173335	0.273275
rs17320513	<i>near ACSL4</i>	T	C	C	-0.0260369	0.0245554	0.289154
rs12562052	<i>near FCRL5</i>	G	A	A	-0.0206825	0.0197705	0.29566
rs12544537	<i>CSMD1</i>	A	G	G	-0.0239881	0.0234187	0.305842
rs557953	<i>near ST8SIA4</i>	G	A	A	0.0175905	0.0172467	0.307916
rs6839224	<i>near HPGDS</i>	T	G	T	0.0181787	0.0180706	0.314579
rs2275145	<i>BAZ1A</i>	G	A	G	-0.0161985	0.016707	0.33241
rs12823710	<i>WNK1</i>	A	G	G	-0.0211028	0.0218793	0.334938
rs9564166	<i>0</i>	C	T	T	0.018659	0.0194381	0.337245
rs13116075	<i>CCRN4L</i>	A	G	G	0.0238462	0.0253342	0.346712
rs9556403	<i>TGDS</i>	A	G	G	0.0165238	0.0176164	0.348398
rs16958536	<i>Near SEMA6D</i>	A	G	G	0.0184914	0.0197169	0.348468
rs7183055	<i>MYO9A</i>	C	T	C	-0.0164815	0.0184923	0.372925
rs16970540	<i>in RFFL or near the LIG3 gene</i>	C	T	T	0.0228673	0.0287312	0.426207
rs7037705	<i>NDUFA8</i>	A	C	C	0.0310206	0.0390086	0.426603
rs12675018	<i>SGCZ</i>	T	C	C	-0.0147135	0.0192558	0.444918
rs10057028	<i>near GAPT</i>	G	A	G	-0.0122778	0.016604	0.459743
rs1800734	<i>MLH1</i>	G	A	A	-0.0131782	0.0195703	0.500808
rs2306802	<i>SMARCAD1</i>	A	G	G	0.0115555	0.0174343	0.507553
rs7858199	<i>PRRX2</i>	A	G	G	-0.0113841	0.0172074	0.508334
rs4583642	<i>0</i>	T	C	T	-0.0115186	0.0175604	0.511956
rs1800469	<i>TGFB</i>	A	G	A	-0.0114224	0.0176217	0.516951
rs882460	<i>Near CCDC129</i>	T	C	C	0.0118022	0.0188864	0.532124
rs6643653	<i>TMEM187</i>	A	G	G	-0.0141013	0.023023	0.540303
rs218526	<i>Near LINC00470</i>	T	C	C	0.0107289	0.0179897	0.551001
rs926581	<i>HHAT</i>	T	C	T	0.0100879	0.0171234	0.555859
rs2840044	<i>Near SLFN14</i>	A	G	G	-0.0099055	0.017282	0.566615
rs754692	<i>between PEPD and CHST8</i>	G	A	A	0.0158097	0.0279186	0.571286

rs7258075	<i>RYR1</i>	T G G	-0.0151991	0.027088	0.574809
rs4584690	<i>ABCC4/MPR4</i>	T C T	-0.0125845	0.0225665	0.577154
rs10849573	<i>WNK1</i>	G A A	-0.0121654	0.0229608	0.596301
rs2275160	<i>SNORA17</i>	G A G	0.00869218	0.0164296	0.596841
rs2682585	<i>XRCC1</i>	A G A	0.0105336	0.0206337	0.609769
rs12565978	<i>Near PLXNA2</i>	T C C	0.0125627	0.0249297	0.614384
rs10916837	<i>PINK1</i>	A C C	-0.0171274	0.0358423	0.632821
rs539194	<i>FAT3</i>	T C C	0.0130181	0.0279289	0.641196
rs1323982	<i>GPC6</i>	C T T	-0.0116565	0.0253736	0.646014
rs2009253	<i>0</i>	T C T	-0.0105163	0.0232275	0.65079
rs17549779	<i>TMTC1</i>	T G G	0.00754058	0.0168355	0.654288
rs1157343	<i>ARAF1</i>	G A A	-0.0079287	0.0179538	0.65883
rs10426777	<i>near ZNF304</i>	A G A	0.00824541	0.0189691	0.663857
rs4496520	<i>0</i>	C A C	-0.00988	0.0230652	0.668454
rs11854033	<i>Near SEMA6D</i>	T C C	0.00704746	0.018794	0.707722
rs7335912	<i>ABCC4/MPR4</i>	A G G	-0.0079653	0.0224501	0.722788
rs4234649	<i>0</i>	T C T	-0.0079459	0.0227147	0.726526
rs4849101	<i>near SLC20A1</i>	C T C	-0.0058854	0.0170591	0.730141
rs568267	<i>SOGA2</i>	C T C	0.00670707	0.0196813	0.733312
rs17798101	<i>near HRH4</i>	T C C	-0.0058904	0.0233133	0.800564
rs2881208	<i>SATB2</i>	T C T	-0.0028824	0.0176253	0.870116
rs7791642	<i>near TYW1</i>	A G G	-0.0046325	0.0305479	0.879484
rs73633565	<i>EGFL6</i>	A G G	0.00720906	0.048192	0.881107
rs10280848	<i>0</i>	C T T	-0.0024099	0.0168136	0.886045
rs7160689	<i>LINC00640</i>	G T G	0.00375929	0.0292236	0.89766
rs2884058	<i>LINC00640</i>	A G A	0.00349592	0.0292034	0.904729
rs12939271	<i>near SOX9</i>	G A A	0.00269102	0.026312	0.918553
rs1875976	<i>SLIT3</i>	T C C	-0.001199	0.0170904	0.944076
rs1801516	<i>ATM</i>	G A A	0.00163847	0.0241749	0.945973

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rs754692	<i>between PEPD and CHST8</i>	G A A	0.136367	0.0642495	0.0339607
rs568267	<i>SOGA2</i>	C T C	-0.0938996	0.0454954	0.0391932
rs12675018	<i>SGCZ</i>	T C C	0.0890747	0.0440207	0.043199
rs741632	<i>near LUZP6 and MTPN</i>	C T T	0.102263	0.0508982	0.0446964
rs11854033	<i>Near SEMA6D</i>	T C C	0.0846664	0.0434317	0.0514298
rs10517190	<i>0</i>	T G G	0.082645	0.0425626	0.0523545
rs6839224	<i>near HPGDS</i>	T G T	-0.0799253	0.0414016	0.0537322
rs1503967	<i>0</i>	G A A	0.081932	0.0425446	0.0543167
rs17549779	<i>TMTC1</i>	T G G	-0.0691591	0.0385985	0.0733704
rs7858199	<i>PRRX2</i>	A G G	-0.064832	0.039428	0.100318
rs1616208	<i>Near C9orf50</i>	G A A	-0.0724652	0.0445583	0.104092
rs7258075	<i>RYR1</i>	T G G	-0.0960092	0.0624617	0.124479
rs10916837	<i>PINK1</i>	A C C	-0.126003	0.0821523	0.125294
rs12544537	<i>CSMD1</i>	A G G	0.0763977	0.0538707	0.156347
rs1800734	<i>MLH1</i>	G A A	-0.0636386	0.0450147	0.157646
rs12145963	<i>TMEM51</i>	C T T	0.0571469	0.040571	0.159168

rs730424	0	G A A	-0.122552	0.0926987	0.186352
rs2857595	<i>TNFAIpha</i>	G A A	-0.0712696	0.0544103	0.190443
rs16958536	<i>Near SEMA6D</i>	A G G	0.0591668	0.0455313	0.193978
rs4849101	<i>near SLC20A1</i>	C T C	-0.0500172	0.0392902	0.203205
rs16970540	<i>in RFFL or near the LIG3 gene</i>	C T T	-0.0832308	0.0658212	0.206245
rs13116075	<i>CCRN4L</i>	A G G	-0.0714601	0.0582863	0.220382
rs12531679	<i>Near MTPN</i>	G A A	0.0913002	0.0757321	0.228172
rs12823710	<i>WNK1</i>	A G G	-0.0566799	0.0504211	0.261135
rs882460	<i>Near CCDC129</i>	T C C	0.048033	0.043388	0.268444
rs9556403	<i>TGDS</i>	A G G	-0.043777	0.0408013	0.283472
rs1800629	<i>TNFAIpha</i>	G A A	-0.0543897	0.0587041	0.35433
rs2275145	<i>BAZ1A</i>	G A G	-0.0343239	0.0385948	0.373961
rs6475752	<i>near ELAVL2</i>	T G T	0.03653	0.0429373	0.395028
rs12565978	<i>Near PLXNA2</i>	T C C	0.0485116	0.0570433	0.395217
rs17798101	<i>near HRHA</i>	T C C	-0.0449474	0.0538253	0.403815
rs926581	<i>HHAT</i>	T C T	-0.032548	0.0393698	0.408522
rs2881208	<i>SATB2</i>	T C T	0.0299688	0.0404379	0.458742
rs1800469	<i>TGFB</i>	A G A	0.0295286	0.0404911	0.465954
rs10849573	<i>WNK1</i>	G A A	-0.0383145	0.0527784	0.46798
rs12562052	<i>near FCRL5</i>	G A A	-0.0321426	0.0452309	0.47742
rs10057028	<i>near GAPT</i>	G A G	-0.0242245	0.0381798	0.525859
rs1801516	<i>ATM</i>	G A A	0.0347196	0.0550556	0.528379
rs218526	<i>Near LINC00470</i>	T C C	-0.0253093	0.0412716	0.539811
rs505994	<i>near ST8SIA4</i>	A C C	-0.0241254	0.0397453	0.543941
rs2884058	<i>LINC00640</i>	A G A	0.0406893	0.0673175	0.545642
rs575018	<i>near ST8SIA4</i>	C T C	-0.0240013	0.0397482	0.546044
rs7160689	<i>LINC00640</i>	G T G	0.0401413	0.0673418	0.551208
rs596917	<i>near NCR2</i>	G T T	-0.0244262	0.0409797	0.551226
rs557953	<i>near ST8SIA4</i>	G A A	-0.0235164	0.0395237	0.551935
rs17320513	<i>near ACSL4</i>	T C C	-0.031539	0.0561842	0.574642
rs4583642	0	T C T	-0.0226199	0.0404079	0.575705
rs539194	<i>FAT3</i>	T C C	0.0332609	0.0640884	0.603847
rs4496520	0	C A C	-0.0274495	0.0530454	0.604903
rs9564166	0	C T T	0.0227043	0.044867	0.612905
rs4288315	<i>between SLC13A1 and TAS2R16</i>	C T T	0.041262	0.0820079	0.614934
rs2306802	<i>SMARCA1</i>	A G G	-0.0201092	0.0400453	0.615627
rs2009253	0	T C T	0.0266099	0.0531066	0.616397
rs73633565	<i>EGFL6</i>	A G G	0.0534482	0.109753	0.626337
rs4234649	0	T C T	-0.0250595	0.0522335	0.631468
rs4584690	<i>ABCC4/MPRA</i>	T C T	0.0250772	0.0523908	0.632252
rs1157343	<i>ARAP1</i>	G A A	0.0180324	0.0413285	0.662666
rs10982515	<i>TNC</i>	A G G	0.0299183	0.076471	0.695677
rs1323982	<i>GPC6</i>	C T T	0.0211448	0.057992	0.715448
rs7183055	<i>MYO9A</i>	C T C	0.0154083	0.0422699	0.715519
rs761951	<i>near ZFP36L1</i>	G T G	-0.0189829	0.0569541	0.738952
rs12088220	<i>between JUN and FGGY</i>	C G G	-0.0234388	0.0734186	0.749582

rs2682585	<i>XRCC1</i>	A	G	A	0.0145305	0.0471538	0.758009
rs2275160	<i>SNORA17</i>	G	A	G	0.0105885	0.0377429	0.7791
rs2840044	<i>Near SLFN14</i>	A	G	G	-0.0106568	0.0398673	0.789269
rs6643653	<i>TMEM187</i>	A	G	G	0.0131861	0.0531587	0.804128
rs7335912	<i>ABCCA4/MPR4</i>	A	G	G	-0.0108801	0.0520075	0.834318
rs7791642	<i>near TYW1</i>	A	G	G	0.0110357	0.0709697	0.876449
rs1875976	<i>SLIT3</i>	T	C	C	-0.0052949	0.0392384	0.892676
rs7037705	<i>NDUFA8</i>	A	C	C	-0.0118197	0.0891704	0.894566
rs10280848	<i>0</i>	C	T	T	0.00493091	0.0387387	0.898731
rs10426777	<i>near ZNF304</i>	A	G	A	0.00421371	0.0437131	0.92322
rs12939271	<i>near SOX9</i>	G	A	A	0.00355498	0.0604665	0.953125

Breast Atrophy ≥G2

rs1800469	<i>TGFB</i>	A	G	A	0.0663253	0.0291857	0.0231903
rs9556403	<i>TGDS</i>	A	G	G	-0.063617	0.0293821	0.0305263
rs1801516	<i>ATM</i>	G	A	A	0.0719036	0.0400782	0.0729936
rs6475752	<i>near ELAVL2</i>	T	G	T	-0.0521786	0.0309077	0.0915712
rs12939271	<i>near SOX9</i>	G	A	A	-0.0733458	0.0436451	0.093059
rs754692	<i>between PEPD and CHST8</i>	G	A	A	0.073891	0.046285	0.110594
rs12565978	<i>Near PLXNA2</i>	T	C	C	-0.0642606	0.0413718	0.120567
rs7183055	<i>MYO9A</i>	C	T	C	0.0411477	0.0306137	0.179113
rs10426777	<i>near ZNF304</i>	A	G	A	-0.0414412	0.0315849	0.189693
rs12544537	<i>CSMD1</i>	A	G	G	0.0506451	0.0389784	0.19403
rs12145963	<i>TMEM51</i>	C	T	T	0.0379506	0.0295897	0.199837
rs4583642	<i>0</i>	T	C	T	-0.0372476	0.0293605	0.204762
rs596917	<i>near NCR2</i>	G	T	T	0.0367549	0.0297652	0.217081
rs2275160	<i>SNORA17</i>	G	A	G	0.0316872	0.0273712	0.24717
rs730424	<i>0</i>	G	A	A	-0.0725321	0.0665037	0.275596
rs1503967	<i>0</i>	G	A	A	0.0302122	0.0308879	0.328165
rs10517190	<i>0</i>	T	G	G	0.0300625	0.0309015	0.330779
rs1616208	<i>Near C9orf50</i>	G	A	A	-0.0286366	0.0322148	0.37418
rs10982515	<i>TNC</i>	A	G	G	-0.0460436	0.0548117	0.40102
rs6643653	<i>TMEM187</i>	A	G	G	-0.0316199	0.0383656	0.409967
rs882460	<i>Near CCDC129</i>	T	C	C	0.0256861	0.0313891	0.413304
rs557953	<i>near ST8SIA4</i>	G	A	A	-0.0232943	0.0287054	0.417205
rs2840044	<i>Near SLFN14</i>	A	G	G	0.0229218	0.028685	0.424361
rs741632	<i>near LUZP6 and MTPN</i>	C	T	T	0.0280867	0.0369626	0.447449
rs2275145	<i>BAZ1A</i>	G	A	G	-0.0201229	0.0279408	0.471513
rs12088220	<i>between JUN and FGGY</i>	C	G	G	0.0372104	0.0532158	0.484509
rs12675018	<i>SGCZ</i>	T	C	C	0.022234	0.0321022	0.488664
rs7258075	<i>RYR1</i>	T	G	G	-0.0313764	0.0454987	0.490541
rs13116075	<i>CCRN4L</i>	A	G	G	-0.0280823	0.0418815	0.502627
rs10916837	<i>PINK1</i>	A	C	C	-0.0396727	0.0593204	0.503731
rs539194	<i>FAT3</i>	T	C	C	-0.0289446	0.0463733	0.532611
rs2857595	<i>TNFalpha</i>	G	A	A	0.0238991	0.0391605	0.541762
rs568267	<i>SOGA2</i>	C	T	C	-0.019732	0.0327871	0.54738
rs505994	<i>near ST8SIA4</i>	A	C	C	-0.0173921	0.028901	0.547407

rs575018	near ST8SIA4	C T C	-0.0173863	0.0289029	0.547567
rs4496520	0	C A C	-0.022898	0.0383752	0.550804
rs7037705	NDUFA8	A C C	-0.0353007	0.0637031	0.57956
rs7160689	LINC00640	G T G	-0.0265514	0.0488144	0.58657
rs4584690	ABCC4/MPR4	T C T	-0.0202059	0.0378808	0.593828
rs761951	near ZFP36L1	G T G	0.0216739	0.0414491	0.601114
rs2884058	LINC00640	A G A	-0.0247359	0.0488074	0.612362
rs4234649	0	T C T	-0.0157543	0.0377916	0.676829
rs10057028	near GAPT	G A G	-0.011064	0.0277157	0.689803
rs1157343	ARAP1	G A A	-0.0116236	0.0299343	0.697844
rs2306802	SMARCA1	A G G	-0.0110952	0.0291511	0.703543
rs16970540	in RFFL or near the LIG3 gene	C T T	-0.0182044	0.0482125	0.705789
rs4849101	near SLC20A1	C T C	-0.0106978	0.0284474	0.706928
rs12531679	Near MTPN	G A A	0.018331	0.0553491	0.740546
rs2881208	SATB2	T C T	0.00968591	0.0294033	0.741886
rs10849573	WNK1	G A A	0.0117415	0.0380395	0.757618
rs7335912	ABCC4/MPR4	A G G	-0.0104019	0.0376284	0.782248
rs17320513	near ACSL4	T C C	-0.0110467	0.040799	0.786611
rs1800734	MLH1	G A A	-0.0085892	0.0326963	0.792819
rs17549779	TMTC1	T G G	-0.0064473	0.0281469	0.818854
rs16958536	Near SEMA6D	A G G	0.00712603	0.0332311	0.830233
rs2682585	XRCC1	A G A	-0.0070779	0.0340479	0.835349
rs7858199	PRRX2	A G G	-0.0058241	0.0286569	0.838979
rs6839224	near HPGDS	T G T	0.00608717	0.0300994	0.839759
rs926581	HHAT	T C T	-0.0056963	0.028436	0.841257
rs12562052	near FCRL5	G A A	-0.0064303	0.0329302	0.845206
rs9564166	0	C T T	0.00633574	0.0324916	0.845421
rs218526	Near LINC00470	T C C	-0.0054677	0.0298551	0.854711
rs12823710	WNK1	A G G	0.00665464	0.0363986	0.854958
rs11854033	Near SEMA6D	T C C	0.00532983	0.0316174	0.866155
rs2009253	0	T C T	-0.0054398	0.0387897	0.888489
rs1323982	GPC6	C T T	-0.0056802	0.0421748	0.89288
rs1875976	SLIT3	T C C	-0.0035394	0.0283354	0.900611
rs73633565	EGFL6	A G G	0.00750144	0.0792328	0.924584
rs7791642	near TYW1	A G G	0.00457863	0.0509497	0.928406
rs10280848	0	C T T	-0.0020416	0.0278726	0.941619
rs1800629	TNFalpha	G A A	0.00163987	0.0423827	0.969141
rs4288315	between SLC13A1 and TAS2R16	C T T	-0.0018842	0.0594774	0.974732
rs17798101	near HRH4	T C C	-0.0012206	0.0387428	0.974871

Induration inside tumour bed \geq G1

rs12939271	near SOX9	G A A	-0.129553	0.0571209	0.0234621
rs2857595	TNFalpha	G A A	0.111753	0.0510741	0.0288131
rs539194	FAT3	T C C	0.124658	0.0605229	0.0395935
rs12565978	Near PLXNA2	T C C	-0.104314	0.0540505	0.0537961
rs1800469	TGFB	A G A	0.0735636	0.0381801	0.0541914
rs73633565	EGFL6	A G G	0.201512	0.104799	0.0546804

rs7037705	<i>NDUFA8</i>	A	C	C	0.153652	0.083832	0.0670138
rs1800629	<i>TNFalpha</i>	G	A	A	0.0949235	0.0552759	0.0861281
rs6475752	near <i>ELAVL2</i>	T	G	T	-0.0645988	0.0406153	0.111923
rs7858199	<i>PRRX2</i>	A	G	G	-0.0572741	0.037379	0.125662
rs2009253	0	T	C	T	-0.076215	0.0503972	0.130663
rs7258075	<i>RYR1</i>	T	G	G	-0.0888605	0.0588251	0.131095
rs218526	Near <i>LINC00470</i>	T	C	C	0.0574173	0.0390037	0.141196
rs4288315	between <i>SLC13A1</i> and <i>TAS2R16</i>	C	T	T	0.112973	0.0768067	0.141525
rs1875976	<i>SLIT3</i>	T	C	C	0.0514429	0.0370704	0.165424
rs7791642	near <i>TYW1</i>	A	G	G	0.0882648	0.066902	0.187257
rs9564166	0	C	T	T	-0.0552176	0.0423143	0.192105
rs10916837	<i>PINK1</i>	A	C	C	-0.0946747	0.0791405	0.231766
rs10982515	<i>TNC</i>	A	G	G	-0.082725	0.0712326	0.245683
rs557953	near <i>ST8SIA4</i>	G	A	A	0.0433785	0.0374397	0.246787
rs505994	near <i>ST8SIA4</i>	A	C	C	0.0414135	0.0377034	0.272198
rs575018	near <i>ST8SIA4</i>	C	T	C	0.0413352	0.037706	0.273138
rs1157343	<i>ARAP1</i>	G	A	A	-0.0427471	0.0391028	0.274476
rs1801516	<i>ATM</i>	G	A	A	0.0572635	0.052748	0.277821
rs12544537	<i>CSMD1</i>	A	G	G	0.0526273	0.0509128	0.301448
rs10057028	near <i>GAPT</i>	G	A	G	-0.0371163	0.0361135	0.304217
rs926581	<i>HHAT</i>	T	C	T	-0.0374778	0.037043	0.31182
rs13116075	<i>CCRN4L</i>	A	G	G	-0.0547753	0.0549722	0.319201
rs16970540	in <i>RFFL</i> or near the <i>LIG3</i> gene	C	T	T	0.0601557	0.0622328	0.333881
rs6643653	<i>TMEM187</i>	A	G	G	0.0462552	0.0503903	0.358793
rs882460	Near <i>CCDC129</i>	T	C	C	-0.0375841	0.0410581	0.360129
rs4234649	0	T	C	T	-0.0433331	0.0489631	0.376284
rs12145963	<i>TMEM51</i>	C	T	T	0.033583	0.0384967	0.383146
rs10849573	<i>WNK1</i>	G	A	A	-0.0423064	0.0494429	0.392316
rs4496520	0	C	A	C	-0.0402293	0.0496658	0.418063
rs17320513	near <i>ACSL4</i>	T	C	C	-0.0423271	0.0536802	0.430521
rs730424	0	G	A	A	0.0673407	0.0874407	0.441339
rs4584690	<i>ABCCA/MPRA</i>	T	C	T	0.0378625	0.0492388	0.442035
rs7335912	<i>ABCCA/MPRA</i>	A	G	G	0.0369201	0.0489511	0.450829
rs1323982	<i>GPC6</i>	C	T	T	-0.0391831	0.0551942	0.477864
rs12675018	<i>SGCZ</i>	T	C	C	-0.0266792	0.041924	0.524628
rs2275145	<i>BAZ1A</i>	G	A	G	0.0230053	0.0362964	0.526292
rs17798101	near <i>HRH4</i>	T	C	C	0.0301637	0.0510301	0.554542
rs17549779	<i>TMTC1</i>	T	G	G	-0.0212399	0.0364957	0.560662
rs12562052	near <i>FCRL5</i>	G	A	A	-0.0242833	0.0432079	0.574189
rs12088220	between <i>JUN</i> and <i>FGGY</i>	C	G	G	0.0336219	0.0690936	0.6266
rs9556403	<i>TGDS</i>	A	G	G	-0.0184113	0.0382393	0.630245
rs10280848	0	C	T	T	-0.0171762	0.0364434	0.637484
rs2840044	Near <i>SLFN14</i>	A	G	G	-0.0171567	0.0377037	0.649145
rs4583642	0	T	C	T	-0.0148436	0.03821	0.697718
rs2884058	<i>LINC00640</i>	A	G	A	0.0231285	0.0634553	0.715545
rs7160689	<i>LINC00640</i>	G	T	G	0.0225933	0.063489	0.721993

rs596917	<i>near NCR2</i>	G T T	-0.0134174	0.0387328	0.729081
rs6839224	<i>near HPGDS</i>	T G T	0.0127486	0.039407	0.746352
rs11854033	<i>Near SEMA6D</i>	T C C	0.0124072	0.0411461	0.763043
rs2682585	<i>XRCC1</i>	A G A	0.0127237	0.0445529	0.775233
rs1616208	<i>Near C9orf50</i>	G A A	-0.0104979	0.0418907	0.802154
rs568267	<i>SOGA2</i>	C T C	-0.0107298	0.0429834	0.802909
rs4849101	<i>near SLC20A1</i>	C T C	-0.0084178	0.0369075	0.819615
rs16958536	<i>Near SEMA6D</i>	A G G	-0.0092697	0.0432849	0.830453
rs2275160	<i>SNORA17</i>	G A G	-0.0069581	0.0357485	0.8457
rs10517190	<i>0</i>	T G G	0.0074407	0.0402549	0.853379
rs1503967	<i>0</i>	G A A	0.00737055	0.0402371	0.854682
rs1800734	<i>MLH1</i>	G A A	-0.0068445	0.0426111	0.872407
rs741632	<i>near LUZP6 and MTPN</i>	C T T	0.00626223	0.0483983	0.897066
rs2306802	<i>SMARCAD1</i>	A G G	0.00432264	0.0379546	0.90934
rs754692	<i>between PEPD and CHST8</i>	G A A	0.00631428	0.0609358	0.917483
rs10426777	<i>near ZNF304</i>	A G A	-0.0037287	0.0412393	0.927969
rs12531679	<i>Near MTPN</i>	G A A	0.00472317	0.0721298	0.947799
rs761951	<i>near ZFP36L1</i>	G T G	0.00201468	0.0539279	0.970204
rs7183055	<i>MYO9A</i>	C T C	-0.0013682	0.0401558	0.972824
rs2881208	<i>SATB2</i>	T C T	0.00084598	0.038193	0.982331
rs12823710	<i>WNK1</i>	A G G	-0.0000766	0.0471922	0.998705

Induration outside tumour bed \geq G1

rs596917	<i>near NCR2</i>	G T T	0.0688791	0.0320702	0.031884
rs12088220	<i>between JUN and FGGY</i>	C G G	0.101333	0.0573419	0.0773917
rs12939271	<i>near SOX9</i>	G A A	-0.0775004	0.0472728	0.101323
rs10426777	<i>near ZNF304</i>	A G A	0.0556883	0.0341546	0.103199
rs7258075	<i>RYR1</i>	T G G	0.0774026	0.04879	0.112838
rs539194	<i>FAT3</i>	T C C	-0.0762462	0.0503026	0.129783
rs1800469	<i>TGFB</i>	A G A	-0.0462292	0.0317495	0.145574
rs4496520	<i>0</i>	C A C	-0.0598698	0.0413889	0.14823
rs16970540	<i>in RFFL or near the LIG3 gene</i>	C T T	0.0724265	0.0517503	0.161848
rs4234649	<i>0</i>	T C T	-0.0550206	0.0407678	0.177335
rs12145963	<i>TMEM51</i>	C T T	0.043035	0.0319664	0.178411
rs12544537	<i>CSMD1</i>	A G G	0.056673	0.0421694	0.179161
rs73633565	<i>EGFL6</i>	A G G	0.104931	0.086698	0.226342
rs2306802	<i>SMARCAD1</i>	A G G	-0.0371031	0.0313813	0.237252
rs6839224	<i>near HPGDS</i>	T G T	-0.0377352	0.0324944	0.245702
rs10280848	<i>0</i>	C T T	-0.0338456	0.0302838	0.263902
rs4583642	<i>0</i>	T C T	0.0339163	0.0315433	0.282437
rs10916837	<i>PINK1</i>	A C C	0.0644107	0.0645898	0.318806
rs12675018	<i>SGCZ</i>	T C C	-0.0344395	0.0346941	0.321027
rs2840044	<i>Near SLFN14</i>	A G G	0.0285504	0.0311227	0.3591
rs10057028	<i>near GAPT</i>	G A G	0.0262731	0.0298916	0.379564
rs557953	<i>near ST8SIA4</i>	G A A	0.0263733	0.0310958	0.396492
rs7858199	<i>PRRX2</i>	A G G	0.0259659	0.030973	0.401966
rs12562052	<i>near FCRL5</i>	G A A	0.0278843	0.0356778	0.434591

rs741632	<i>near LUZP6 and MTPN</i>	C	T	T	-0.0308882	0.0399856	0.439944
rs1157343	<i>ARAP1</i>	G	A	A	0.0248399	0.0323811	0.44313
rs1616208	<i>Near C9orf50</i>	G	A	A	-0.0265031	0.0348569	0.447165
rs1875976	<i>SLIT3</i>	T	C	C	-0.0221943	0.0307475	0.470509
rs761951	<i>near ZFP36L1</i>	G	T	G	0.0317639	0.0446589	0.477031
rs9564166	<i>0</i>	C	T	T	0.0246409	0.0350151	0.481709
rs17549779	<i>TMTC1</i>	T	G	G	0.0207072	0.0302947	0.494374
rs575018	<i>near ST8SIA4</i>	C	T	C	0.0212715	0.0312547	0.496233
rs505994	<i>near ST8SIA4</i>	A	C	C	0.0212434	0.0312527	0.496775
rs7037705	<i>NDUFA8</i>	A	C	C	0.0462582	0.070144	0.509687
rs218526	<i>Near LINC00470</i>	T	C	C	0.0208185	0.0323863	0.520436
rs12565978	<i>Near PLXNA2</i>	T	C	C	0.028127	0.044913	0.531237
rs12823710	<i>WNK1</i>	A	G	G	-0.024322	0.0394426	0.537559
rs7791642	<i>near TYW1</i>	A	G	G	0.0279441	0.055041	0.611738
rs2682585	<i>XRCC1</i>	A	G	A	0.0187066	0.0371738	0.614879
rs754692	<i>between PEPD and CHST8</i>	G	A	A	-0.0248818	0.0503255	0.62108
rs1800734	<i>MLH1</i>	G	A	A	-0.0164699	0.0352512	0.64041
rs9556403	<i>TGDS</i>	A	G	G	-0.0146562	0.0316806	0.643699
rs2275160	<i>SNORA17</i>	G	A	G	0.0136414	0.0295686	0.644614
rs7335912	<i>ABCC4/MPR4</i>	A	G	G	0.0169598	0.0404718	0.675234
rs17320513	<i>near ACSL4</i>	T	C	C	-0.01793	0.0442519	0.6854
rs2881208	<i>SATB2</i>	T	C	T	-0.0122321	0.0317555	0.700143
rs1800629	<i>TNFalpha</i>	G	A	A	-0.0159668	0.0460741	0.728978
rs2275145	<i>BAZ1A</i>	G	A	G	0.0103123	0.0301075	0.732009
rs7160689	<i>LINC00640</i>	G	T	G	-0.0179392	0.0527329	0.733759
rs2884058	<i>LINC00640</i>	A	G	A	-0.0179244	0.0526969	0.733796
rs10982515	<i>TNC</i>	A	G	G	-0.0176203	0.0590616	0.765484
rs1503967	<i>0</i>	G	A	A	-0.0088151	0.0334556	0.792209
rs730424	<i>0</i>	G	A	A	0.0189951	0.0722851	0.792754
rs10517190	<i>0</i>	T	G	G	-0.0087802	0.0334707	0.793106
rs882460	<i>Near CCDC129</i>	T	C	C	0.00840155	0.0339861	0.804781
rs12531679	<i>Near MTPN</i>	G	A	A	-0.0140793	0.059326	0.812438
rs6643653	<i>TMEM187</i>	A	G	G	0.00983041	0.041486	0.81272
rs16958536	<i>Near SEMA6D</i>	A	G	G	0.00840895	0.0355417	0.813003
rs1323982	<i>GPC6</i>	C	T	T	-0.0103751	0.0456803	0.820356
rs17798101	<i>near HRH4</i>	T	C	C	0.00916044	0.0420237	0.827471
rs1801516	<i>ATM</i>	G	A	A	0.00879407	0.0435865	0.840129
rs926581	<i>HHAT</i>	T	C	T	0.00523279	0.0308679	0.865408
rs2009253	<i>0</i>	T	C	T	0.00559294	0.0418489	0.893699
rs4849101	<i>near SLC20A1</i>	C	T	C	0.00399003	0.0307146	0.896657
rs4288315	<i>between SLC13A1 and TAS2R16</i>	C	T	T	-0.0077863	0.063904	0.903038
rs2857595	<i>TNFalpha</i>	G	A	A	0.0049498	0.0425517	0.90741
rs4584690	<i>ABCC4/MPR4</i>	T	C	T	0.00458851	0.0406874	0.910224
rs10849573	<i>WNK1</i>	G	A	A	-0.0039221	0.04141	0.924553
rs568267	<i>SOGA2</i>	C	T	C	-0.0033015	0.0354576	0.925826
rs7183055	<i>MYO9A</i>	C	T	C	0.00127962	0.0332813	0.969335

rs13116075	CCRN4L	A	G	G	0.00123774	0.045651	0.978373
rs6475752	near ELAVL2	T	G	T	-0.0008304	0.0337885	0.980397
rs11854033	Near SEMA6D	T	C	C	0.0001224	0.0339189	0.997121

Induration \geq G2

rs12145963	TMEM51	C	T	T	0.0602053	0.024919	0.0158015
rs1800629	TNFalpha	G	A	A	0.0823701	0.0356766	0.0210813
rs1801516	ATM	G	A	A	0.0639176	0.0339336	0.0597988
rs2682585	XRCC1	A	G	A	-0.0496885	0.0288594	0.0853092
rs4584690	ABCC4/MPR4	T	C	T	0.0530877	0.0318423	0.0956682
rs12939271	near SOX9	G	A	A	-0.0573121	0.0369227	0.120808
rs2840044	Near SLFN14	A	G	G	0.036048	0.0242201	0.136855
rs218526	Near LINC00470	T	C	C	0.0370798	0.0251749	0.140977
rs741632	near LUZP6 and MTPN	C	T	T	-0.045596	0.0311946	0.144028
rs7335912	ABCC4/MPR4	A	G	G	0.0440245	0.0315823	0.163522
rs4496520	0	C	A	C	-0.0426887	0.0321671	0.184667
rs4234649	0	T	C	T	-0.0416384	0.031692	0.189086
rs2857595	TNFalpha	G	A	A	0.0431678	0.0329995	0.191015
rs10426777	near ZNF304	A	G	A	0.03259	0.0266858	0.222171
rs12544537	CSMD1	A	G	G	0.0400233	0.0328447	0.223189
rs4849101	near SLC20A1	C	T	C	-0.0272233	0.023906	0.254972
rs10849573	WNK1	G	A	A	-0.0361237	0.0320781	0.260285
rs568267	SOGA2	C	T	C	0.0310204	0.0276174	0.261513
rs4288315	between SLC13A1 and TAS2R16	C	T	T	0.0478555	0.0499797	0.33846
rs10982515	TNC	A	G	G	-0.0391385	0.0458141	0.393072
rs557953	near ST8SIA4	G	A	A	-0.0205112	0.024202	0.396844
rs10057028	near GAPT	G	A	G	0.0197085	0.0232915	0.397584
rs730424	0	G	A	A	0.0458288	0.056066	0.413817
rs12823710	WNK1	A	G	G	-0.0248072	0.0306037	0.417718
rs1503967	0	G	A	A	0.0188798	0.0260846	0.469299
rs10517190	0	T	G	G	0.0188161	0.0260963	0.470998
rs12088220	between JUN and FGGY	C	G	G	0.0315937	0.0446782	0.479583
rs2009253	0	T	C	T	0.0227871	0.0326297	0.485057
rs1616208	Near C9orf50	G	A	A	0.0183322	0.0271328	0.499364
rs7791642	near TYW1	A	G	G	0.0271419	0.0429527	0.527541
rs6475752	near ELAVL2	T	G	T	0.015435	0.0262454	0.556548
rs13116075	CCRN4L	A	G	G	-0.0202113	0.0355155	0.569379
rs12565978	Near PLXNA2	T	C	C	-0.0198668	0.0350907	0.571368
rs1157343	ARAP1	G	A	A	-0.014129	0.0252223	0.575435
rs505994	near ST8SIA4	A	C	C	-0.0125848	0.0243756	0.605727
rs575018	near ST8SIA4	C	T	C	-0.0125021	0.0243773	0.608121
rs9564166	0	C	T	T	-0.0131627	0.0273024	0.629796
rs882460	Near CCDC129	T	C	C	0.0125054	0.026557	0.637784
rs1800469	TGFB	A	G	A	-0.0103393	0.0247456	0.676131
rs6643653	TMEM187	A	G	G	0.0125185	0.0323868	0.699154
rs2306802	SMARCAD1	A	G	G	-0.009013	0.024442	0.712363
rs10280848	0	C	T	T	0.00866387	0.0235544	0.713053

rs2275145	BAZ1A	G	A	G	0.00830531	0.0234616	0.723389
rs754692	between <i>PEPD</i> and <i>CHST8</i>	G	A	A	0.0137948	0.0391959	0.724925
rs10916837	<i>PINK1</i>	A	C	C	-0.017627	0.0503858	0.726504
rs12562052	near <i>FCRL5</i>	G	A	A	0.00962501	0.0278173	0.729382
rs4583642	0	T	C	T	0.00824151	0.0246591	0.738259
rs1323982	<i>GPC6</i>	C	T	T	-0.0118827	0.0355624	0.73832
rs17798101	near <i>HRH4</i>	T	C	C	-0.0107401	0.0328737	0.743931
rs17320513	near <i>ACSL4</i>	T	C	C	0.0107977	0.0345028	0.754358
rs12531679	Near <i>MTPN</i>	G	A	A	-0.0126891	0.0464385	0.7847
rs539194	<i>FAT3</i>	T	C	C	-0.0106457	0.0391636	0.785791
rs2881208	<i>SATB2</i>	T	C	T	-0.0065814	0.0247236	0.790119
rs2275160	<i>SNORA17</i>	G	A	G	-0.0053158	0.023018	0.817391
rs16970540	in <i>RFFL</i> or near the <i>LIG3</i> gene	C	T	T	-0.0092771	0.0403787	0.818313
rs1800734	<i>MLH1</i>	G	A	A	-0.0063106	0.0276379	0.819419
rs73633565	<i>EGFL6</i>	A	G	G	0.0140051	0.0678556	0.836508
rs596917	near <i>NCR2</i>	G	T	T	-0.0050892	0.0250777	0.839211
rs7183055	<i>MYO9A</i>	C	T	C	0.00506688	0.0258845	0.844831
rs926581	<i>HHAT</i>	T	C	T	0.00467972	0.0239602	0.845173
rs7037705	<i>NDUFA8</i>	A	C	C	-0.0102689	0.0535632	0.847989
rs6839224	near <i>HPGDS</i>	T	G	T	-0.004469	0.0252974	0.859801
rs11854033	Near <i>SEMA6D</i>	T	C	C	0.00400705	0.0264676	0.879684
rs12675018	<i>SGCZ</i>	T	C	C	0.00399431	0.0271863	0.883211
rs761951	near <i>ZFP36L1</i>	G	T	G	-0.004376	0.0350771	0.900734
rs7160689	<i>LINC00640</i>	G	T	G	-0.0048913	0.0410454	0.905158
rs9556403	<i>TGDS</i>	A	G	G	-0.0023188	0.0247248	0.925291
rs2884058	<i>LINC00640</i>	A	G	A	-0.0031324	0.0410217	0.939142
rs17549779	<i>TMTC1</i>	T	G	G	0.00163212	0.0235915	0.944853
rs16958536	Near <i>SEMA6D</i>	A	G	G	-0.0015315	0.0277595	0.95601
rs1875976	<i>SLIT3</i>	T	C	C	0.00128042	0.0238848	0.957254
rs7258075	<i>RYR1</i>	T	G	G	0.00132743	0.0381826	0.972271
rs7858199	<i>PRRX2</i>	A	G	G	-0.0005769	0.0240906	0.980896

Nipple Retraction \geq G1

rs10916837	<i>PINK1</i>	A	C	C	0.119181	0.0583176	0.0411539
rs4288315	between <i>SLC13A1</i> and <i>TAS2R16</i>	C	T	T	0.111207	0.0573599	0.0527089
rs6643653	<i>TMEM187</i>	A	G	G	-0.0679041	0.0373433	0.0691971
rs2275160	<i>SNORA17</i>	G	A	G	-0.0456182	0.0265197	0.0856004
rs12562052	near <i>FCRL5</i>	G	A	A	-0.0528954	0.0318945	0.0974264
rs12088220	between <i>JUN</i> and <i>FGGY</i>	C	G	G	0.0818998	0.0514887	0.111893
rs7791642	near <i>TYW1</i>	A	G	G	0.0786329	0.0494701	0.112148
rs2275145	BAZ1A	G	A	G	-0.0427836	0.0270186	0.113512
rs17320513	near <i>ACSL4</i>	T	C	C	0.061855	0.0396975	0.119397
rs1801516	<i>ATM</i>	G	A	A	0.0585856	0.0389809	0.133058
rs1800734	<i>MLH1</i>	G	A	A	0.0454964	0.0316353	0.15059
rs1875976	<i>SLIT3</i>	T	C	C	0.0389841	0.0276054	0.158093
rs218526	Near <i>LINC00470</i>	T	C	C	-0.040429	0.0289488	0.16274
rs12939271	near <i>SOX9</i>	G	A	A	-0.0588662	0.0423639	0.164867

rs12675018	SGCZ	T C C	0.0427192	0.0312223	0.171438
rs17798101	near HRH4	T C C	0.0506689	0.037716	0.179326
rs741632	near LUZP6 and MTPN	C T T	0.0467127	0.0359016	0.193405
rs1800629	TNFalpha	G A A	0.052451	0.041374	0.205084
rs754692	between PEPD and CHST8	G A A	0.0508814	0.0450011	0.258366
rs7037705	NDUFA8	A C C	-0.0690386	0.0623335	0.268218
rs12531679	Near MTPN	G A A	0.056947	0.0532201	0.284771
rs4584690	ABCCA/MPR4	T C T	-0.0390108	0.0365676	0.28622
rs12145963	TMEM51	C T T	0.0274177	0.0286347	0.338462
rs4583642	0	T C T	-0.02561	0.0283639	0.366712
rs596917	near NCR2	G T T	-0.0257555	0.0287791	0.370957
rs11854033	Near SEMA6D	T C C	-0.0266214	0.0303371	0.380339
rs7258075	RYR1	T G G	0.0353712	0.0439296	0.420838
rs1157343	ARAP1	G A A	-0.022622	0.0289163	0.434141
rs9556403	TGDS	A G G	0.0220958	0.028487	0.438075
rs10426777	near ZNF304	A G A	-0.0225751	0.0306515	0.461533
rs2884058	LINC00640	A G A	0.032772	0.0469527	0.485294
rs730424	0	G A A	0.0444761	0.0644982	0.490566
rs7160689	LINC00640	G T G	0.0319229	0.0469847	0.496964
rs9564166	0	C T T	0.020954	0.0314739	0.505665
rs2857595	TNFalpha	G A A	0.024847	0.0382787	0.516362
rs7335912	ABCCA/MPR4	A G G	-0.0234347	0.0362811	0.518425
rs557953	near ST8SIA4	G A A	0.017792	0.0278609	0.523176
rs2682585	XRCC1	A G A	0.020809	0.0332921	0.532034
rs926581	HHAT	T C T	0.0171486	0.0276792	0.535645
rs12544537	CSMD1	A G G	0.0218257	0.0379266	0.565054
rs17549779	TMTC1	T G G	-0.0151394	0.0271399	0.577041
rs10849573	WNK1	G A A	0.0191271	0.0371976	0.607183
rs73633565	EGFL6	A G G	0.0397088	0.0780712	0.611088
rs2009253	0	T C T	-0.0189275	0.037664	0.615361
rs16970540	in RFFL or near the LIG3 gene	C T T	-0.0213634	0.0463515	0.644935
rs1800469	TGFB	A G A	-0.0130245	0.0284465	0.647116
rs2881208	SATB2	T C T	-0.0129165	0.0284981	0.65044
rs1323982	GPC6	C T T	-0.0152736	0.0409195	0.709005
rs568267	SOGA2	C T C	0.00933318	0.031856	0.769576
rs2840044	Near SLFN14	A G G	-0.0076027	0.0279274	0.785481
rs6839224	near HPGDS	T G T	-0.0064801	0.0291594	0.824163
rs12565978	Near PLXNA2	T C C	-0.0087941	0.0404281	0.827828
rs13116075	CCRN4L	A G G	-0.0089367	0.0411816	0.828231
rs10517190	0	T G G	-0.0064011	0.0301107	0.831678
rs1503967	0	G A A	-0.006309	0.030097	0.833989
rs2306802	SMARCAD1	A G G	0.00588377	0.0281143	0.834256
rs1616208	Near C9orf50	G A A	-0.006489	0.0312974	0.835777
rs505994	near ST8SIA4	A C C	0.0053801	0.0280314	0.847821
rs575018	near ST8SIA4	C T C	0.0053647	0.0280334	0.848262
rs4849101	near SLC20A1	C T C	-0.0051491	0.0276186	0.852126

rs10057028	<i>near GAP2</i>	G A G	0.0050056	0.0268507	0.852137
rs882460	<i>Near CCDC129</i>	T C C	-0.0047017	0.0305435	0.877681
rs12823710	<i>WNK1</i>	A G G	0.00373903	0.0356039	0.916375
rs761951	<i>near ZFP36L1</i>	G T G	0.00282721	0.0400379	0.943714
rs6475752	<i>near ELAVL2</i>	T G T	-0.0014152	0.0303064	0.962762
rs4234649	<i>0</i>	T C T	-0.0014108	0.0366509	0.9693
rs7183055	<i>MYO9A</i>	C T C	-0.000922	0.0297051	0.975244
rs10280848	<i>0</i>	C T T	-0.0008413	0.0271912	0.975322
rs7858199	<i>PRRX2</i>	A G G	-0.0006753	0.027743	0.980583
rs16958536	<i>Near SEMA6D</i>	A G G	0.00077225	0.0318574	0.980664
rs4496520	<i>0</i>	C A C	-0.0008063	0.0372156	0.982718
rs539194	<i>FAT3</i>	T C C	0.00057271	0.0455023	0.989959
rs10982515	<i>TNC</i>	A G G	0.00061651	0.0532754	0.990768

Nipple Retraction \geq G2

rs17798101	<i>near HRH4</i>	T C C	0.0401445	0.0150065	0.00754674
rs17320513	<i>near ACSL4</i>	T C C	0.0306683	0.0158948	0.0538527
rs2881208	<i>SATB2</i>	T C T	0.0201892	0.0114411	0.0778197
rs4288315	<i>between SLC13A1 and TAS2R16</i>	C T T	0.0408239	0.0231363	0.0778421
rs1801516	<i>ATM</i>	G A A	0.0254415	0.0157756	0.107009
rs4849101	<i>near SLC20A1</i>	C T C	0.0178114	0.0110855	0.108313
rs12562052	<i>near FCRL5</i>	G A A	0.0168196	0.0128557	0.190949
rs6643653	<i>TMEM187</i>	A G G	-0.0195118	0.0150501	0.195008
rs2682585	<i>XRCC1</i>	A G A	-0.0169739	0.0132921	0.201792
rs575018	<i>near ST8SIA4</i>	C T C	-0.0139641	0.0112509	0.214732
rs505994	<i>near ST8SIA4</i>	A C C	-0.0138921	0.0112501	0.217073
rs7858199	<i>PRRX2</i>	A G G	-0.0133225	0.011112	0.230736
rs12088220	<i>between JUN and FGGY</i>	C G G	0.0245847	0.020745	0.236161
rs1875976	<i>SLIT3</i>	T C C	-0.0124252	0.011029	0.260087
rs7791642	<i>near TYW1</i>	A G G	-0.0211968	0.0197456	0.283214
rs9564166	<i>0</i>	C T T	0.0132131	0.0126007	0.294522
rs2009253	<i>0</i>	T C T	-0.0150846	0.0151287	0.318874
rs2884058	<i>LINC00640</i>	A G A	-0.0186451	0.0190049	0.32671
rs7160689	<i>LINC00640</i>	G T G	-0.0186039	0.0190176	0.328103
rs557953	<i>near ST8SIA4</i>	G A A	-0.010766	0.0111711	0.335324
rs1323982	<i>GPC6</i>	C T T	0.0158582	0.0164553	0.335337
rs12823710	<i>WNK1</i>	A G G	-0.0133909	0.0142703	0.348197
rs6475752	<i>near ELAVL2</i>	T G T	-0.0107361	0.0120937	0.374812
rs1800469	<i>TGFB</i>	A G A	0.00983807	0.0113724	0.387123
rs1800734	<i>MLH1</i>	G A A	0.0109684	0.0127613	0.39019
rs754692	<i>between PEPD and CHST8</i>	G A A	-0.0151454	0.0179437	0.39877
rs10916837	<i>PINK1</i>	A C C	0.0192647	0.0235117	0.412701
rs9556403	<i>TGDS</i>	A G G	0.00915949	0.0113856	0.421239
rs73633565	<i>EGFL6</i>	A G G	0.0224932	0.0307376	0.464412
rs1157343	<i>ARAP1</i>	G A A	0.00802182	0.0116239	0.490225
rs12145963	<i>TMEM51</i>	C T T	0.00772522	0.011494	0.501614
rs10849573	<i>WNK1</i>	G A A	-0.0097368	0.0148976	0.513478

rs2840044	<i>Near SLFN14</i>	A G G	0.00693656	0.0111364	0.533459
rs12544537	<i>CSMD1</i>	A G G	0.00947855	0.0152587	0.534565
rs2306802	<i>SMARCAD1</i>	A G G	-0.0066474	0.0113231	0.557241
rs13116075	<i>CCRN4L</i>	A G G	-0.0086928	0.0164431	0.597113
rs10057028	<i>near GAPT</i>	G A G	-0.0056619	0.0107921	0.599914
rs10426777	<i>near ZNF304</i>	A G A	0.0064737	0.0123413	0.599966
rs4234649	0	T C T	0.00756242	0.0146397	0.605528
rs4496520	0	C A C	0.00747394	0.0148647	0.615176
rs16970540	<i>in RFFL or near the LIG3 gene</i>	C T T	-0.0092384	0.0186388	0.62021
rs926581	<i>HHAT</i>	T C T	-0.0052066	0.0110757	0.638354
rs539194	<i>FAT3</i>	T C C	-0.0081937	0.0182464	0.653449
rs596917	<i>near NCR2</i>	G T T	-0.0046775	0.0115946	0.686694
rs1800629	<i>TNFalpha</i>	G A A	0.00664579	0.016545	0.687974
rs17549779	<i>TMTC1</i>	T G G	-0.0042852	0.0109102	0.694547
rs6839224	<i>near HPGDS</i>	T G T	-0.0043036	0.0117148	0.713399
rs730424	0	G A A	-0.0086792	0.0257535	0.736153
rs12939271	<i>near SOX9</i>	G A A	-0.0056917	0.0169956	0.73775
rs12565978	<i>Near PLXNA2</i>	T C C	0.00525229	0.0163191	0.747609
rs218526	<i>Near LINC00470</i>	T C C	-0.0035697	0.0116372	0.759073
rs1503967	0	G A A	0.00356968	0.0120371	0.766844
rs10517190	0	T G G	0.00356477	0.0120425	0.767258
rs16958536	<i>Near SEMA6D</i>	A G G	0.00379976	0.0128466	0.767437
rs10982515	<i>TNC</i>	A G G	0.00577529	0.0212711	0.786035
rs7037705	<i>NDUFA8</i>	A C C	-0.0067183	0.0250157	0.788302
rs2857595	<i>TNFalpha</i>	G A A	-0.0035133	0.0152754	0.818126
rs568267	<i>SOGA2</i>	C T C	0.002834	0.0128041	0.82486
rs2275145	<i>BAZ1A</i>	G A G	-0.0023832	0.010866	0.826426
rs2275160	<i>SNORA17</i>	G A G	-0.0022376	0.0106285	0.833286
rs4583642	0	T C T	0.00233759	0.0113573	0.836955
rs4584690	<i>ABCCA/MPR4</i>	T C T	-0.0027022	0.0147338	0.854507
rs7335912	<i>ABCCA/MPR4</i>	A G G	-0.0024984	0.0146357	0.864477
rs882460	<i>Near CCDC129</i>	T C C	-0.0016206	0.0122465	0.894738
rs10280848	0	C T T	-0.0012684	0.0108365	0.906833
rs7258075	<i>RYR1</i>	T G G	-0.0019563	0.0177063	0.912036
rs1616208	<i>Near C9orf50</i>	G A A	-0.0013734	0.0124785	0.912376
rs741632	<i>near LUZP6 and MTPN</i>	C T T	-0.0015616	0.0144758	0.91411
rs12675018	<i>SGCZ</i>	T C C	-0.0013152	0.0126124	0.916964
rs11854033	<i>Near SEMA6D</i>	T C C	0.00124716	0.0122259	0.918762
rs12531679	<i>Near MTPN</i>	G A A	-0.0013101	0.0215046	0.951431
rs7183055	<i>MYO9A</i>	C T C	0.00051041	0.0118976	0.965787
rs761951	<i>near ZFP36L1</i>	G T G	0.00045206	0.0160598	0.977547
Oedema ≥G1					
rs4288315	<i>between SLC13A1 and TAS2R16</i>	C T T	0.155384	0.0588093	0.00831824
rs12145963	<i>TMEM51</i>	C T T	0.0683297	0.0294685	0.0205349
rs557953	<i>near ST8SIA4</i>	G A A	0.0602253	0.0285453	0.0350297
rs17798101	<i>near HRH4</i>	T C C	0.0798184	0.0389187	0.0404394

rs12565978	<i>Near PLXNA2</i>	T C C	-0.0847988	0.041416	0.0407734
rs539194	<i>FAT3</i>	T C C	0.094515	0.0462411	0.0411215
rs13116075	<i>CCRN4L</i>	A G G	-0.0770984	0.0419925	0.0665428
rs575018	<i>near ST8SIA4</i>	C T C	0.0526034	0.028747	0.0674548
rs505994	<i>near ST8SIA4</i>	A C C	0.052557	0.0287451	0.0676792
rs4584690	<i>ABCC4/MPR4</i>	T C T	0.05961	0.0374581	0.111723
rs73633565	<i>EGFL6</i>	A G G	0.126495	0.0804964	0.11628
rs7335912	<i>ABCC4/MPR4</i>	A G G	0.0579514	0.0371529	0.119004
rs10280848	<i>0</i>	C T T	0.0427076	0.0278259	0.125028
rs12531679	<i>Near MTPN</i>	G A A	-0.0767682	0.0547284	0.160897
rs7160689	<i>LINC00640</i>	G T G	0.0659407	0.0483241	0.172586
rs2884058	<i>LINC00640</i>	A G A	0.064961	0.0482947	0.178786
rs16958536	<i>Near SEMA6D</i>	A G G	-0.041892	0.0327879	0.201553
rs1875976	<i>SLIT3</i>	T C C	0.03426	0.0283237	0.226617
rs568267	<i>SOGA2</i>	C T C	-0.038478	0.0325811	0.237782
rs10057028	<i>near GAPT</i>	G A G	0.0316792	0.0274618	0.248849
rs1800734	<i>MLH1</i>	G A A	0.037248	0.0324634	0.251396
rs9564166	<i>0</i>	C T T	-0.0354954	0.0322681	0.271491
rs4583642	<i>0</i>	T C T	-0.0318213	0.0291659	0.275417
rs1323982	<i>GPC6</i>	C T T	-0.0458663	0.0421109	0.27624
rs1616208	<i>Near C9orf50</i>	G A A	0.033271	0.0319923	0.298512
rs596917	<i>near NCR2</i>	G T T	0.0290306	0.0295637	0.326264
rs12939271	<i>near SOX9</i>	G A A	-0.0410715	0.043847	0.349055
rs11854033	<i>Near SEMA6D</i>	T C C	-0.0277905	0.0312455	0.373909
rs7791642	<i>near TYW1</i>	A G G	0.0430761	0.0507137	0.395788
rs10849573	<i>WNK1</i>	G A A	-0.0315343	0.0378264	0.404598
rs12675018	<i>SGC2</i>	T C C	0.0264358	0.0319918	0.408741
rs1157343	<i>ARAP1</i>	G A A	-0.0244301	0.0297405	0.411517
rs1503967	<i>0</i>	G A A	0.0230734	0.0308152	0.454108
rs7183055	<i>MYO9A</i>	C T C	-0.0226667	0.0305212	0.4578
rs10517190	<i>0</i>	T G G	0.0228383	0.0308292	0.458923
rs754692	<i>between PEPD and CHST8</i>	G A A	-0.032054	0.0462054	0.487954
rs882460	<i>Near CCDC129</i>	T C C	-0.0207749	0.0314201	0.508582
rs2857595	<i>TNFAI1</i>	G A A	-0.0251536	0.038919	0.518174
rs17549779	<i>TMTC1</i>	T G G	0.0175845	0.0278703	0.528171
rs7037705	<i>NDUFA8</i>	A C C	-0.0398324	0.0634508	0.530245
rs741632	<i>near LUZP6 and MTPN</i>	C T T	-0.0225309	0.0368574	0.541089
rs12823710	<i>WNK1</i>	A G G	-0.0205937	0.0361906	0.569411
rs12088220	<i>between JUN and FGGY</i>	C G G	-0.0273794	0.0528828	0.604713
rs1800469	<i>TGFB</i>	A G A	-0.0140459	0.0291227	0.629658
rs2275145	<i>BAZ1A</i>	G A G	-0.013112	0.0276982	0.636001
rs2306802	<i>SMARCAD1</i>	A G G	0.013665	0.0289315	0.636762
rs7258075	<i>RYR1</i>	T G G	0.021065	0.0451791	0.641097
rs218526	<i>Near LINC00470</i>	T C C	0.0131855	0.0297009	0.657145
rs2881208	<i>SATB2</i>	T C T	-0.0126394	0.0291865	0.665032
rs2275160	<i>SNORA17</i>	G A G	-0.0109719	0.0271719	0.686417

rs6475752	<i>near ELAVL2</i>	T	G	T	0.01193	0.0310123	0.700521
rs2682585	<i>XRCC1</i>	A	G	A	-0.0124716	0.0341068	0.714664
rs17320513	<i>near ACSL4</i>	T	C	C	-0.0147112	0.0408468	0.718779
rs1800629	<i>TNFalpha</i>	G	A	A	-0.0146045	0.0421218	0.728846
rs730424	0	G	A	A	-0.0211087	0.0662767	0.750153
rs12562052	<i>near FCRL5</i>	G	A	A	0.00923845	0.0328253	0.778407
rs926581	<i>HHAT</i>	T	C	T	0.00773601	0.0283152	0.784727
rs10916837	<i>PINK1</i>	A	C	C	0.0159624	0.0599828	0.790184
rs9556403	<i>TGDS</i>	A	G	G	-0.0074189	0.0291969	0.799451
rs4496520	0	C	A	C	0.00925563	0.0381344	0.808261
rs761951	<i>near ZFP36L1</i>	G	T	G	-0.0096657	0.0413011	0.814992
rs10982515	<i>TNC</i>	A	G	G	-0.0121997	0.0541768	0.821866
rs4234649	0	T	C	T	0.00835676	0.0375697	0.824005
rs10426777	<i>near ZNF304</i>	A	G	A	0.00535097	0.0315724	0.865439
rs4849101	<i>near SLC20A1</i>	C	T	C	-0.0042609	0.0282239	0.880021
rs2840044	<i>Near SLFN14</i>	A	G	G	-0.0039938	0.0286285	0.889069
rs6643653	<i>TMEM187</i>	A	G	G	-0.0044765	0.0383716	0.907142
rs12544537	<i>CSMD1</i>	A	G	G	0.00309897	0.0388029	0.936355
rs6839224	<i>near HPGDS</i>	T	G	T	0.00163799	0.0299537	0.956397
rs16970540	<i>in RFFL or near the LIG3 gene</i>	C	T	T	-0.0018955	0.047641	0.968267
rs7858199	<i>PRRX2</i>	A	G	G	8.67E-05	0.0284757	0.997571
rs1801516	<i>ATM</i>	G	A	A	-0.0001033	0.040051	0.997943
rs2009253	0	T	C	T	-8.65E-05	0.0385301	0.998209

Oedema ≥G2

rs number	Gene	REF	ALT	A1	BETA	Standard Error	P-value
rs754692	<i>between PEPPD and CHST8</i>	G	A	A	0.0693166	0.0231626	0.00280923
rs539194	<i>FAT3</i>	T	C	C	0.0672042	0.0231323	0.00372152
rs557953	<i>near ST8SIA4</i>	G	A	A	0.0356645	0.0143277	0.0129064
rs7258075	<i>RYR1</i>	T	G	G	0.0533962	0.0225611	0.0180668
rs4288315	<i>between SLC13A1 and TAS2R16</i>	C	T	T	0.0647063	0.0294585	0.0282005
rs17549779	<i>TMTC1</i>	T	G	G	0.0302084	0.013958	0.0305969
rs505994	<i>near ST8SIA4</i>	A	C	C	0.030608	0.014393	0.0336096
rs575018	<i>near ST8SIA4</i>	C	T	C	0.0305901	0.014394	0.0337256
rs16970540	<i>in RFFL or near the LIG3 gene</i>	C	T	T	0.0500625	0.0238281	0.0358011
rs6839224	<i>near HPGDS</i>	T	G	T	0.0264163	0.0149907	0.0782337
rs1323982	<i>GPC6</i>	C	T	T	-0.036034	0.0211428	0.0885193
rs12145963	<i>TMEM51</i>	C	T	T	0.0223761	0.014785	0.13037
rs12939271	<i>near SOX9</i>	G	A	A	0.0331625	0.0219445	0.130939
rs1800629	<i>TNFalpha</i>	G	A	A	0.0319185	0.0211721	0.131865
rs10916837	<i>PINK1</i>	A	C	C	0.0446056	0.0298502	0.135295
rs926581	<i>HHAT</i>	T	C	T	0.0210736	0.0142033	0.138087
rs4583642	0	T	C	T	-0.0212857	0.0146077	0.145275
rs4584690	<i>ABCC4/MPR4</i>	T	C	T	0.0265151	0.0187915	0.158438
rs2306802	<i>SMARCAD1</i>	A	G	G	0.0201283	0.0144809	0.164729
rs7335912	<i>ABCC4/MPR4</i>	A	G	G	0.024493	0.0186975	0.1904
rs218526	<i>Near LINC00470</i>	T	C	C	0.0193624	0.0149295	0.194848

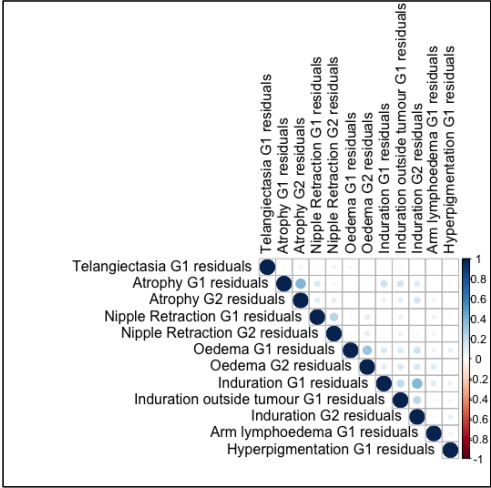
rs9556403	TGDS	A	G	G	0.0182704	0.0145919	0.210725
rs12544537	CSMD1	A	G	G	0.0235906	0.0194318	0.224923
rs6643653	TMEM187	A	G	G	-0.0230818	0.0191602	0.228511
rs1801516	ATM	G	A	A	-0.0239993	0.0200481	0.231454
rs13116075	CCRN4L	A	G	G	0.0242269	0.0210223	0.249316
rs1800734	MLH1	G	A	A	0.0184361	0.0162242	0.255992
rs7037705	NDUFA8	A	C	C	-0.0365215	0.0325019	0.261325
rs2009253	O	T	C	T	-0.0209564	0.0192823	0.277285
rs73633565	EGFL6	A	G	G	-0.043485	0.040155	0.279007
rs741632	near LUZP6 and MTPN	C	T	T	-0.0185054	0.0184341	0.315596
rs11854033	Near SEMA6D	T	C	C	-0.0155618	0.0156347	0.319726
rs17320513	near ACSL4	T	C	C	-0.0194523	0.0204554	0.341772
rs568267	SOGA2	C	T	C	-0.0151108	0.0163264	0.354827
rs16958536	Near SEMA6D	A	G	G	-0.0150273	0.0163929	0.359444
rs1800469	TGFB	A	G	A	-0.0130887	0.0146623	0.372165
rs12531679	Near MTPN	G	A	A	-0.0231895	0.0273509	0.396649
rs10426777	near ZNF304	A	G	A	-0.0129701	0.015806	0.412011
rs10982515	TNC	A	G	G	-0.0214192	0.0272821	0.432513
rs2857595	TNFalpha	G	A	A	0.015356	0.0196025	0.433529
rs1616208	Near C9orf50	G	A	A	0.0111833	0.0160859	0.487017
rs10849573	WNK1	G	A	A	0.0128819	0.0190522	0.499053
rs1157343	ARAP1	G	A	A	0.0100328	0.0149305	0.501701
rs7791642	near TYW1	A	G	G	-0.0166186	0.0253615	0.512392
rs6475752	near ELAVL2	T	G	T	-0.0101272	0.0155918	0.516097
rs761951	near ZFP36L1	G	T	G	-0.0125329	0.0205924	0.542864
rs2881208	SATB2	T	C	T	0.00837299	0.014621	0.56695
rs2682585	XRCC1	A	G	A	0.00949804	0.0171387	0.579531
rs1875976	SLIT3	T	C	C	-0.0076053	0.0142113	0.592618
rs12675018	SGCZ	T	C	C	0.008086	0.0159781	0.612881
rs12565978	Near PLXNA2	T	C	C	0.00965125	0.0207267	0.641535
rs7160689	LINC00640	G	T	G	0.0108138	0.0242716	0.655995
rs9564166	O	C	T	T	-0.0068389	0.0161395	0.671815
rs2884058	LINC00640	A	G	A	0.00960385	0.024256	0.692206
rs12823710	WNK1	A	G	G	0.00707427	0.018214	0.697774
rs7858199	PRRX2	A	G	G	-0.0053796	0.0142817	0.706464
rs4234649	O	T	C	T	0.0067316	0.018879	0.721464
rs4496520	O	C	A	C	0.00647153	0.0191708	0.735731
rs12562052	near FCRL5	G	A	A	-0.0051105	0.0164389	0.755935
rs10057028	near GAPT	G	A	G	0.0042676	0.0137924	0.757046
rs17798101	near HRH4	T	C	C	0.00591692	0.0194342	0.760818
rs7183055	MYO9A	C	T	C	-0.0043807	0.0153281	0.775072
rs2275160	SNORA17	G	A	G	0.00383621	0.0136436	0.778615
rs4849101	near SLC20A1	C	T	C	-0.0036928	0.0141611	0.794306
rs2275145	BAZ1A	G	A	G	-0.0031989	0.0138728	0.817668
rs882460	Near CCDC129	T	C	C	-0.0030403	0.0156964	0.846443
rs730424	O	G	A	A	0.00612064	0.033242	0.85394

rs12088220	<i>between JUN and FGGY</i>	C	G	G	-0.0046002	0.0265486	0.862457
rs2840044	<i>Near SLFN14</i>	A	G	G	0.00148849	0.0143565	0.917436
rs10517190	0	T	G	G	-0.0008727	0.0154598	0.954993
rs10280848	0	C	T	T	-0.0007292	0.0139648	0.958365
rs1503967	0	G	A	A	-0.0006778	0.0154527	0.96502
rs596917	<i>near NCR2</i>	G	T	T	0.00052371	0.0148064	0.971789

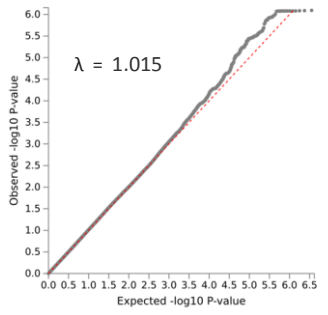
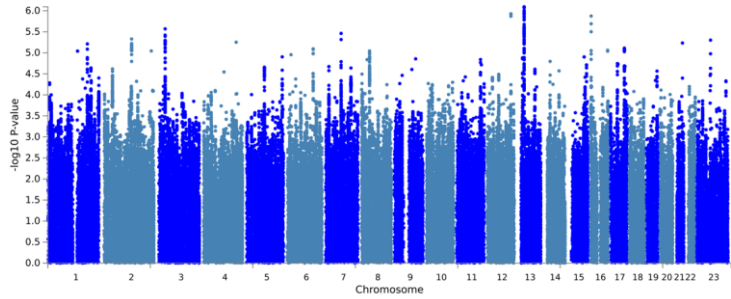
Telangiectasia \geq G1

rs12562052	<i>near FCRL5</i>	G	A	A	0.0878889	0.0284907	0.00207115
rs926581	<i>HHAT</i>	T	C	T	-0.049663	0.0246136	0.0437867
rs7791642	<i>near TYW1</i>	A	G	G	-0.0821461	0.0439879	0.0620168
rs16958536	<i>Near SEMA6D</i>	A	G	G	0.0525141	0.028504	0.065608
rs557953	<i>near ST8SIA4</i>	G	A	A	0.0452083	0.0248382	0.0689267
rs2275145	<i>BAZ1A</i>	G	A	G	0.0405838	0.0240802	0.0921125
rs741632	<i>near LUZP6 and MTPN</i>	C	T	T	0.0536811	0.0320681	0.0943298
rs11854033	<i>Near SEMA6D</i>	T	C	C	0.0422082	0.0271764	0.12059
rs575018	<i>near ST8SIA4</i>	C	T	C	0.0386415	0.0250155	0.122614
rs505994	<i>near ST8SIA4</i>	A	C	C	0.0386341	0.025014	0.122663
rs10849573	<i>WNK1</i>	G	A	A	0.0496202	0.0329182	0.131909
rs754692	<i>between PEPD and CHST8</i>	G	A	A	0.0591577	0.0399699	0.139053
rs12823710	<i>WNK1</i>	A	G	G	0.0462149	0.0314135	0.141437
rs9556403	<i>TGDS</i>	A	G	G	-0.0372036	0.0252929	0.14151
rs12544537	<i>CSMD1</i>	A	G	G	-0.048414	0.0337182	0.15124
rs1157343	<i>ARAP1</i>	G	A	A	0.0355701	0.0259207	0.170171
rs539194	<i>FAT3</i>	T	C	C	-0.0552959	0.0402998	0.170218
rs13116075	<i>CCRN4L</i>	A	G	G	0.0493102	0.036425	0.176007
rs4583642	0	T	C	T	0.0334341	0.0252481	0.185616
rs761951	<i>near ZFP36L1</i>	G	T	G	0.0472049	0.0358118	0.187644
rs1800469	<i>TGFB</i>	A	G	A	-0.0321041	0.0253752	0.20599
rs2275160	<i>SNORA17</i>	G	A	G	0.0296674	0.0236449	0.209767
rs9564166	0	C	T	T	0.0344996	0.0280442	0.218806
rs16970540	<i>in RFFL or near the LIG3 gene</i>	C	T	T	0.0479481	0.041496	0.248061
rs17798101	<i>near HRH4</i>	T	C	C	0.0386248	0.0335673	0.250039
rs4496520	0	C	A	C	-0.037346	0.0330453	0.258582
rs10916837	<i>PINK1</i>	A	C	C	0.0535618	0.0516521	0.299903
rs1616208	<i>Near C9orf50</i>	G	A	A	-0.0288957	0.0278736	0.300046
rs1875976	<i>SLIT3</i>	T	C	C	-0.0246989	0.0245623	0.314777
rs4234649	0	T	C	T	-0.0327282	0.0325583	0.314942
rs6643653	<i>TMEM187</i>	A	G	G	-0.030403	0.0333082	0.361495
rs10280848	0	C	T	T	-0.0217064	0.0241527	0.368938
rs12675018	<i>SGC2</i>	T	C	C	0.0242324	0.0278265	0.383971
rs7858199	<i>PRRX2</i>	A	G	G	0.020978	0.0247485	0.396761
rs6475752	<i>near ELAVL2</i>	T	G	T	-0.0223099	0.0269173	0.407323
rs1503967	0	G	A	A	0.0216902	0.0268075	0.418573
rs73633565	<i>EGFL6</i>	A	G	G	0.0544798	0.0680905	0.423765
rs1800734	<i>MLH1</i>	G	A	A	0.0224076	0.0282813	0.428296
rs17549779	<i>TMTC1</i>	T	G	G	-0.0190336	0.0242185	0.432035

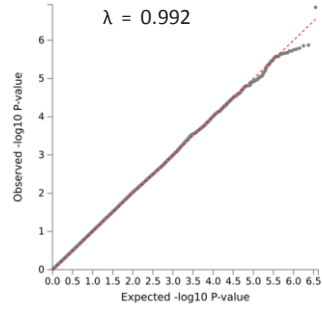
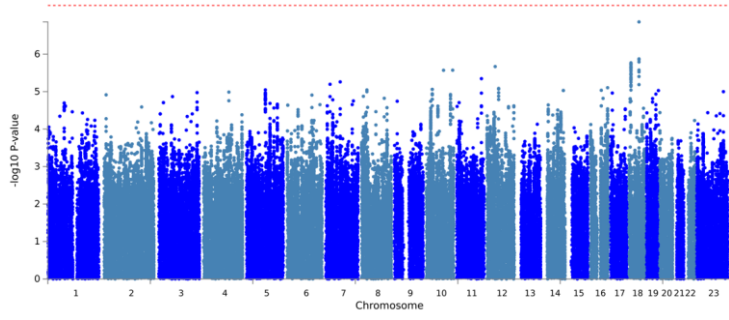
rs10517190	0	T	G	G	0.021018	0.0268199	0.433346
rs10426777	near ZNF304	A	G	A	-0.0212603	0.0273372	0.436857
rs17320513	near ACSL4	T	C	C	-0.0261019	0.0354094	0.46114
rs7037705	NDUFA8	A	C	C	0.040589	0.0552887	0.462977
rs4584690	ABCCA/MPR4	T	C	T	-0.0219439	0.0325793	0.500692
rs2682585	XRCC1	A	G	A	0.0196306	0.0296033	0.507348
rs12088220	between JUN and FGGY	C	G	G	0.0286892	0.0458933	0.531975
rs7183055	MYO9A	C	T	C	0.0164785	0.026565	0.535141
rs1801516	ATM	G	A	A	-0.0211422	0.0349294	0.545075
rs10982515	TNC	A	G	G	-0.0253527	0.0470269	0.589884
rs7335912	ABCCA/MPR4	A	G	G	-0.0164423	0.0323741	0.611603
rs2884058	LINC00640	A	G	A	0.0211012	0.0422031	0.617148
rs4849101	near SLC20A1	C	T	C	-0.0117197	0.0245787	0.633553
rs7160689	LINC00640	G	T	G	0.0197533	0.0422299	0.640022
rs2881208	SATB2	T	C	T	0.0109036	0.0254064	0.667859
rs568267	SOGA2	C	T	C	0.0112529	0.0283274	0.691239
rs2840044	Near SLFN14	A	G	G	-0.0092849	0.0248309	0.70851
rs2009253	0	T	C	T	-0.0119577	0.0335295	0.721415
rs1800629	TNFalpha	G	A	A	0.0127781	0.0367388	0.728027
rs596917	near NCR2	G	T	T	0.00850196	0.0257727	0.741532
rs12939271	near SOX9	G	A	A	0.0115325	0.037944	0.761216
rs12531679	Near MTPN	G	A	A	0.0132269	0.0477684	0.781894
rs4288315	between SLC13A1 and TAS2R16	C	T	T	-0.0138599	0.0513185	0.787136
rs10057028	near GAPT	G	A	G	-0.0064385	0.0239221	0.787853
rs7258075	RYR1	T	G	G	-0.0092275	0.0391469	0.813684
rs882460	Near CCDC129	T	C	C	-0.0047892	0.0271993	0.860254
rs2306802	SMARCAD1	A	G	G	0.00355341	0.0251163	0.88751
rs730424	0	G	A	A	0.00669351	0.0577482	0.907739
rs6839224	near HPGDS	T	G	T	0.00258688	0.0259739	0.920678
rs2857595	TNFalpha	G	A	A	-0.0016013	0.0339041	0.962335
rs1323982	GPC6	C	T	T	-0.001405	0.0365488	0.96934
rs12145963	TMEM51	C	T	T	-0.0009501	0.0255692	0.970364
rs12565978	Near PLXNA2	T	C	C	-0.0012955	0.0360412	0.971331
rs218526	Near LINC00470	T	C	C	0.00042978	0.0258371	0.986731



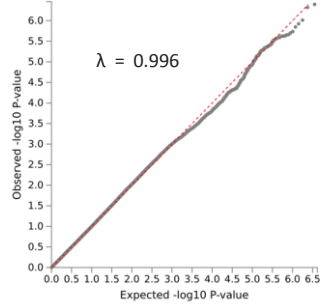
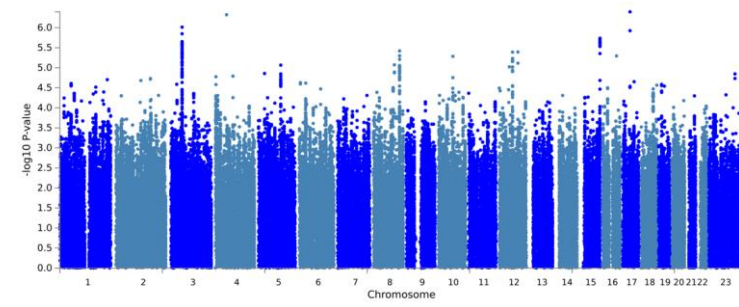
A Breast Atrophy \geq G1



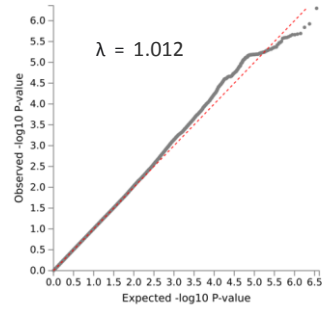
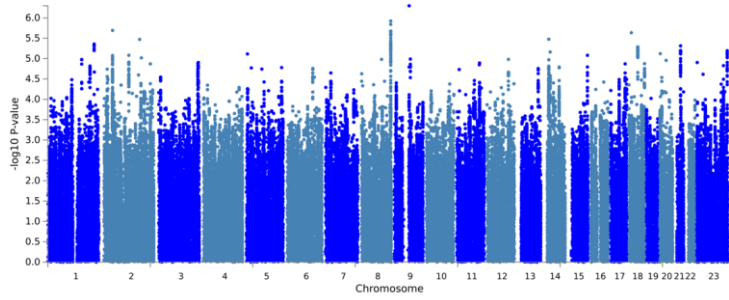
B Breast Atrophy $\geq G2$



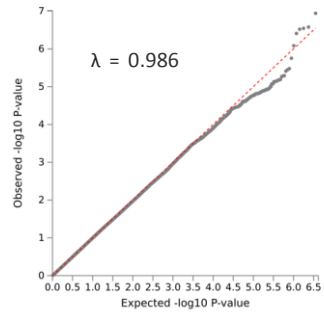
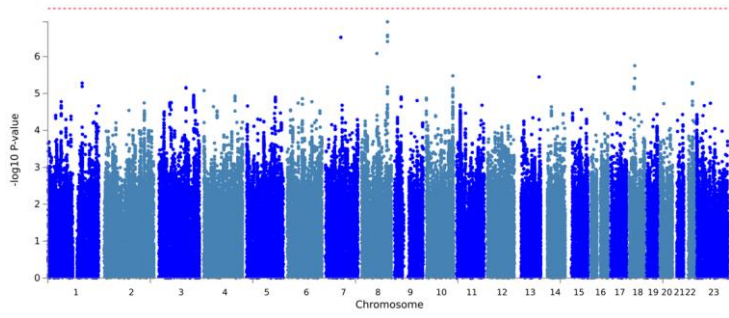
C Induration inside tumour bed $\geq G1$



D Induration outside tumour bed $\geq G1$



E Nipple Retraction $\geq G1$



F Oedema $\geq G1$

