

Supplementary Table S1: Association between rs13387042 (2q35) and estrogen receptor status-specific breast cancer risk, stratified by Indigenous American genetic ancestry, hormone therapy use, and breastfeeding in Hispanic women from the Breast Cancer Health Disparities Study

ER positive		controls/cases	Odds Ratio*	95% CI	P value	P Interaction	P LRT**
Stratified by Indigenous American ancestry							
Low		280/142	1.17	0.87-1.56	0.304	0.649	
Intermediate		1697/530	1.24	1.07-1.44	0.004		
High		633/48	1.35	0.72-2.53	0.356		
Stratified by hormone therapy use in postmenopausal women							
Current		258/181	1.12	0.84-1.51	0.433	0.279	
Former		361/75	1.42	1.00-2.01	0.052		
Never		874/174	1.43	1.10-1.86	0.008		
Stratified by breastfeeding in premenopausal women							
Never		163/63	1.1	0.69-1.78	0.682	0.246	
≤12 months		500/94	0.83	0.60-1.26	0.468		
>12 months		273/52	1.53	1.00-2.34	0.051		
Stratified by hormone therapy use and genetic ancestry in postmenopausal women							
Current	Low	46/48	1.06	0.59-1.89	0.848	0.58	0.444
	Intermediate	206/124	1.14	0.80-1.63	0.475		
	High	6/9	NA	NA	NA		
Former	Low	53/12	0.92	0.32-2.65	0.875	0.102	
	Intermediate	248/60	1.55	1.04-2.33	0.033		
	High	60/3	NA	NA	NA		
Never	Low	67/29	2.05	1.04-4.04	0.039	0.609	
	Intermediate	518/131	1.27	0.93-1.73	0.127		
	High	289/14	1.91	0.59-6.20	0.279		
Stratified by breastfeeding and genetic ancestry in premenopausal women							
Never	Low	13/4	NA	NA	NA	NA	0.152
	Intermediate	127/51	1.07	0.63-1.82	0.81		
	High	23/8	NA	NA	NA		
≤12 months	Low	40/25	0.52	0.21-1.29	0.159	0.254	
	Intermediate	287/64	0.92	0.60-1.42	0.706		
	High	173/5	0.97	0.09-10.01	0.981		
>12 months	Low	27/9	1.22	0.38-3.91	0.734	0.903	
	Intermediate	190/39	1.77	1.08-2.89	0.024		
	High	56/4	NA	NA	NA		

ER negative		controls/cases	Odds Ratio*	95% CI	P value	P Interaction	P LRT**
Stratified by Indigenous American ancestry							
Low		280/47	0.71	0.45-1.14	0.158	0.046	
Intermediate		1697/195	1.23	0.99-1.53	0.064		
High		633/15	0.83	0.30-2.25	0.709		
Stratified by hormone therapy use in postmenopausal women							
Current		258/38	0.86	0.51-1.45	0.568	0.289	
Former		361/27	1.1	0.64-1.89	0.736		
Never		874/57	1.2	0.80-1.181	0.374		
Stratified by breastfeeding in premenopausal women							
Never		163/22	0.97	0.49-1.92	0.923	0.66	
≤12 months		500/48	1.47	0.93-2.32	0.096		
>12 months		273/34	1.28	0.77-2.11	0.342		
Stratified by hormone therapy use and genetic ancestry in postmenopausal women							
Current	Low	46/3	0.1	NA	0.26	0.829	0.649
	Intermediate	206/33	0.88	0.49-1.58	0.67		
	High	6/2	NA	NA	NA		
Former	Low	53/8	0.44	0.13-1.53	0.198	0.339	
	Intermediate	248/18	1.47	0.75-2.91	0.259		
	High	60/1	NA	NA	NA		
Never	Low	67/8	0.31	0.08-1.25	0.101	0.119	
	Intermediate	518/47	1.36	0.86-2.15	0.311		
	High	289/2	4.09	0.12-136	0.432		
Stratified by breastfeeding and genetic ancestry in premenopausal women							
Never	Low	13/4	0.6	0.05-6.83	0.681	0.294	0.678
	Intermediate	127/17	1.1	0.50-2.42	0.818		
	High	23/1	NA	NA	NA		
≤12 months	Low	40/10	2.98	0.80-11.12	0.104	0.905	
	Intermediate	287/36	1.22	0.73-2.05	0.453		
	High	173/2	2.96	0.09-97.59	0.543		
>12 months	Low	27/4	0.36	0.04-3.11	0.354	0.561	
	Intermediate	190/28	1.39	0.80-2.40	0.243		
	High	56/2	4.45	0.07-287	0.483		

*OR per additional A allele

**P likelihood ratio test comparing the model with interaction between SNP and ancestry, adjusting by environmental risk factor to a model with SNP by ancestry interaction and SNP by risk factor interaction.