

**Supplementary Table 2 Detailed information of selected studies for genotypes and cancer risk**

Author name	Study design	Cancer	Matched	Study Loci <sup>a</sup>	Ethnic group	Study case/control number				
						<i>IGF1</i> (CA)n: case/control	<i>IGFBP3</i> A-202C		<i>IGFBP3</i> Gly32Ala	
							Case/control	HWE <sup>b</sup>	Case/control	HWE
Yu, 2001	H-based C/C	Breast cancer	Yes	1	Mixed (US)	53/53	NA	NA	NA	NA
Missmer, 2002	Nested C/C	Breast cancer	Yes	1	Caucasian	463/622	NA	NA	NA	NA
DeLellis, 2003	Nested C/C	Breast cancer	Yes	1	Mixed (US)	320/373	NA	NA	NA	NA
Rohrbacher , 2003	Nested C/C	Breast cancer	Yes	2	Caucasian	NA	603/1068	Yes	NA	NA
Ren, 2004	P-based C/C	Breast cancer	Yes	2 and 3	Asian (Chinese)	NA	1109/1207	No	1107/1211	No
Wagner, 2005 <sup>c</sup>	H-based C/C	Breast cancer	Yes	1 and 2	European( Finish and Polish)	507/687	305/342	Yes	NA	NA
Wen, 2005	P-based C/C	Breast cancer	Yes	1	Asian (Chinese)	1041/1086	NA	NA	NA	NA
Cleveland, 2006	P-based C/C	Breast cancer	Yes	1	Caucasian	1004/1042	NA	NA	NA	NA
Al-Zahrani, 2006	P-based C/C	Breast cancer	Yes	2	European (UK)	NA	4311/4449	Yes	NA	NA
Canzian, 2006	P-based C/C	Breast cancer	Yes	1	European (Western European country)	NA	776/1519	Yes	NA	NA
Ladd, 2007	Cohort study	Breast cancer	Yes	1	Caucasian	203/3978	NA	NA	NA	NA
Cox_ABCFS_KConFaB <sup>d</sup> , 2007	H-based C/C	Breast cancer	Yes	2	Caucasian	NA	1439/615	Yes	NA	NA
Cox_Copenhagen <sup>d</sup> , 2007	P-based C/C	Breast cancer	Yes	2	Caucasian	NA	1265/5741	No	NA	NA
Cox_GENICA <sup>d</sup> , 2007	P-based C/C	Breast cancer	Yes	2	Caucasian	NA	590/618	Yes	NA	NA
Cox_GESBC <sup>d</sup> , 2007	P-based C/C	Breast cancer	Yes	2	Caucasian	NA	629/1090	Yes	NA	NA

Cox_IARC_THAI <sup>d</sup> , 2007	H-based C/C	Breast cancer	Yes	2	Asian	NA	378/333	Yes	NA	NA
Cox_Kuopio <sup>d</sup> , 2007	H-based C/C	Breast cancer	Yes	2	Caucasian	NA	443/400	Yes	NA	NA
Cox_PBCS <sup>d</sup> , 2007	P-based C/C	Breast cancer	Yes	2	Caucasian	NA	2028/2311	No	NA	NA
Cox_SEARCH <sup>d</sup> , 2007	P-based C/C	Breast cancer	Yes	2	Caucasian	NA	4203/4449	Yes	NA	NA
Cox_SASBAC <sup>d</sup> , 2007	P-based C/C	Breast cancer	Yes	2	Caucasian	NA	1422/1351	Yes	NA	NA
Cox_USRT <sup>d</sup> , 2007	Nested C/C	Breast cancer	Yes	2	Mixed	NA	704/1018	Yes	NA	NA
Slattery, 2004	P-based C/C	Colorectal cancer	Yes	1 and 2	Mixed (US)	1947/2156	1948/2152	Yes	NA	NA
Wong, 2005	Nested C/C	Colorectal cancer	Yes	1 and 2	Asian(Singapore Chinese)	290/873	272/821	Yes	NA	NA
Morimoto, 2005	P-based C/C	Colorectal cancer	Yes	1 and 3	Caucasian	782/503	NA	NA	782/503	Yes
Marchand, 2005	Nested C/C	Colorectal cancer	Yes	3	Mixed (US)	NA	NA	NA	817/1995	No
Pechlivanis, 2007	P-based C/C	Colorectal cancer	Yes	1, 2 and 3	Caucasian	653/593	614/547	Yes	606/550	No
Wang, 2003	H-based C/C	Prostate cancer	Yes	2	Asian (Japanese)	NA	307/272	Yes	NA	NA
Nam, 2003	H-based C/C	Prostate cancer	Yes	1 and 2	Mixed	483/548	483/548	Yes	NA	NA
Li, 2004	H-based C/C	Prostate cancer	Yes	1 and 2	Mixed (US)	440/479	440/479	Yes	NA	NA
Schildkraut, 2005	H-based C/C	Prostate cancer	Yes	1 and 2	Mixed (White and Black, US)	94/81	97/88	Yes	NA	NA
Friedrichsen, 2005	P-based C/C	Prostate cancer	Yes	1 and 3	Caucasian	581/520	NA	NA	587/537	Yes
Tsychiya, 2005	H-based C/C	Prostate cancer	Yes	1	Asian (Japanese)	303/262	NA	NA	NA	NA
Chen, 2006	Nested C/C	Prostate cancer	Yes	1 and 2	Mixed (US)	213/213	213/213	Yes	NA	NA
Moon, 2006	H-based C/C	Lung cancer	Yes	2	Asian (Korea)	NA	209/209	Yes	NA	NA
Hoyo, 2007	P-base C/C	Prostate cancer	Yes	1 and 2	Mixed(White and	94/84	97/92	NA	NA	NA

					Black, US)					
Hernandez, 2007	H-based C/C	Prostate cancer	Yes	1,2 and 3	African American	401/366	401/366	Yes	NA	NA
Chen, 2008	H-based C/C	Gastric cancer	Yes	2 and 3	Asian(Chinese)	NA	576/647	Yes	576/647	Yes

<sup>a</sup>Study loci: 1=IGF1 CA repeat; 2=IGFBP3 A-202C;3=IGFBP3 Gly32Ala.

<sup>b</sup> Hardy–Weinberg equilibrium (HWE),  $df = 1$ .

<sup>c</sup>Some overlapped cases and control were neglected, for IGF1: 507 cases and 687 controls remained (without regard to age<50 in Polish); for IGFBP3: 305 cases and 342 control left (only Finnish and Swish).

<sup>d</sup>A multi-centre plan was divided into ten sub-studies (Cox et al, 2007).