

**eTable 1. Results of sensitivity analysis**

Risk factor	Subtype	Ref. <sup>a</sup>	OR (95% CI) <sub>before</sub> <sup>b</sup>	<i>P</i> <sub>h1</sub> <sup>c</sup>	OR (95% CI) <sub>after</sub> <sup>d</sup>	<i>P</i> <sub>h2</sub> <sup>e</sup>
BMI, 18.5-24.9 vs. <18.5 kg/m <sup>2</sup>	luminal	Kawai et al. 2012. <sup>26</sup>	1.20 (0.96-1.49)	0.68	1.25 (0.95-1.64)	0.46
	ER-PR-	Kawai et al. 2012. <sup>26</sup>	1.43 (1.00-2.05)	0.57	1.55 (0.99-2.45)	0.37
BMI, ≥25 vs. <18.5 kg/m <sup>2</sup>	luminal	Kawai et al. 2012. <sup>26</sup>	1.75 (1.30-2.35)	0.22	2.02 (1.49-2.75)	0.47
	ER-PR-	Kawai et al. 2012. <sup>26</sup>	1.95 (1.04-3.65)	0.07	2.63 (1.61-4.30)	0.23
Menopausal age	luminal	Bao et al. 2011. <sup>18</sup>	1.15 (1.00-1.32)	0.26	1.06 (0.86-1.30)	0.22
	ER-PR-	Islam et al. 2012. <sup>25</sup>	1.19 (1.00-1.43)	0.06	1.43 (1.13-1.81)	0.77
Age at menarche	luminal	Kawai et al. 2012. <sup>26</sup>	1.39 (1.23-1.57)	0.28	1.35 (1.15-1.58)	0.17
	Her2-enriched	Islam et al. 2012. <sup>25</sup>	1.20 (0.91-1.58)	0.11	1.04 (0.55-1.96)	0.17
	Triple-negative	Present study	1.28 (0.94-1.73)	0.76	1.35 (0.89-2.04)	0.54
	ER-PR-	Kawai et al. 2012. <sup>26</sup>	1.20 (0.91-1.58)	0.11	1.08 (0.78-1.51)	0.19
Parity	luminal	Islam et al. 2012. <sup>25</sup>	1.26 (1.11-1.44)	0.14	1.36 (1.18-1.58)	0.43
	Her2-enriched	Miyagawa et al. 2013. <sup>27</sup>	1.02 (0.70-1.47)	0.19	0.81 (0.46-1.44)	0.12
	Triple-negative	Miyagawa et al. 2013. <sup>27</sup>	1.34 (0.96-1.85)	0.66	1.40 (0.93-2.10)	0.49
Age at first live birth	ER-PR-	Miyagawa et al. 2013. <sup>27</sup>	1.03 (0.84-1.26)	0.28	0.96 (0.76-1.22)	0.26
	luminal	Bao et al. 2011. <sup>18</sup>	1.14 (0.86-1.52)	<0.0001	1.09 (0.76-1.57)	<0.0001
	Her2-enriched	Xing et al. 2009. <sup>19</sup>	0.93 (0.56-1.56)	<0.0001	1.14 (0.80-1.64)	0.11
	Triple-negative	Xing et al. 2009. <sup>19</sup>	0.80 (0.56-1.14)	<0.0001	0.98 (0.78-1.24)	0.20
Breastfeeding	ER-PR-	Bao et al. 2011. <sup>18</sup>	0.83 (0.62-1.10)	<0.0001	0.76 (0.56-1.04)	0.0005
	luminal	Bao et al. 2011. <sup>18</sup>	1.35 (1.05-1.74)	<0.0001	1.41 (1.00-1.99)	0.0004
	Her2-enriched	Islam et al. 2012. <sup>25</sup>	1.97 (1.39-2.80)	0.23	2.21 (1.37-3.56)	0.20
	Triple-negative	Xing et al. 2009. <sup>19</sup>	1.85 (1.06-3.21)	0.02	1.69 (0.67-4.31)	0.01
	ER-PR-	Bao et al. 2011. <sup>18</sup>	1.74 (1.41-2.15)	0.001	1.57 (1.30-1.91)	0.005

BMI, body mass index; CI, confidence interval; OR, odds ratio.

<sup>a</sup> Study with the largest weight

<sup>b</sup> Pooled OR with 95% CI before dropping a study

<sup>c</sup> Heterogeneity among studies before dropping a study

<sup>d</sup> Pooled OR with 95% CI after dropping a study

<sup>e</sup> Heterogeneity among studies after dropping a study

**eTable 2.** Results of Egger's test for publication bias

Risk factor	Subtype	$\alpha$	t	P
BMI, 18.5–24.9 vs. <18.5 kg/m <sup>2</sup>	Luminal	–3.705	–10.817	0.060
	ER–PR–	–2.871	–2.015	0.293
BMI, $\geq 25$ vs. <18.5 kg/m <sup>2</sup>	Luminal	–2.783	–5.968	0.106
	ER–PR–	–5.195	–1.666	0.344
Menopausal age	Luminal	0.127	0.235	0.853
	ER–PR–	–1.279	–1.222	0.437
Age at menarche	Luminal	0.021	0.073	0.948
	HER2-enriched	–1.079	–0.583	0.664
	Triple-negative	–0.516	–2.494	0.243
	ER–PR–	–0.109	–0.162	0.886
Parity	Luminal	–0.134	–0.466	0.666
	HER2-enriched	–0.784	–0.631	0.642
	Triple-negative	0.323	0.553	0.636
	ER–PR–	–0.661	–1.354	0.247
Age at first live birth	Luminal	0.129	0.136	0.900
	HER2-enriched	–1.849	–2.923	0.210
	Triple-negative	–0.072	–0.132	0.917
	ER–PR–	–0.069	–0.109	0.920
Breastfeeding	Luminal	0.346	0.528	0.634
	HER2-enriched	1.362	1.874	0.312
	Triple-negative	–0.825	–0.190	0.880
	ER–PR–	–0.006	–0.007	0.995

BMI, body mass index.