

**Additional file 6. Performance of the breast cancer prediction model across different predicted risk cutoffs in the Shanghai Women's Health Study**

Cutoff of 10-year risk (%)	Percent of high-risk population (%) <sup>a</sup>	Sensitivity (%)	Specificity (%)	Positive predictive value (%)	Negative predictive value (%)	Number needed to be screened to identify one case
0.4	96.57	98.91	3.46	1.21	99.63	82.86
0.5	92.15	96.00	7.90	1.23	99.40	81.46
0.6	87.08	91.77	12.98	1.24	99.25	80.53
0.7	81.44	86.68	18.62	1.25	99.15	79.74
0.8	73.96	80.15	26.12	1.28	99.10	78.32
0.9	64.42	72.28	35.68	1.32	99.08	75.64
1.0	54.00	63.44	46.11	1.38	99.06	72.25
1.1	43.75	54.00	56.38	1.45	99.04	68.76
1.2	34.96	44.79	65.16	1.51	99.00	66.23
1.3	27.55	37.17	72.57	1.59	98.98	62.90
1.4	21.53	30.51	78.58	1.67	98.96	59.88
1.5	16.74	25.06	83.36	1.76	98.94	56.70
1.6	12.95	20.58	87.14	1.87	98.92	53.41
1.7	9.89	16.46	90.19	1.96	98.91	50.97
1.8	7.47	13.08	92.59	2.06	98.89	48.51
1.9	5.59	9.56	94.46	2.02	98.87	49.61
2.0	4.37	7.75	95.67	2.09	98.86	47.86

<sup>a</sup>High-risk population is defined as people whose 10-year predicted risk are higher than the corresponding cutoff.