

Table S4. logistic regression models for the risk of progression to pre-diabetes or to diabetes in women with and without PCOS

Model	Biomarkers	PCOS		Control		Q-test
		OR (95% CI)	P	OR (95% CI)	P	P
<b>Model 1</b>	Ln (FGF-19)	0.7 (0.4-1.2)	0.182	1.3 (0.9-1.9)	0.208	0.067
	Ln (FGF-21)	1.1 (0.7-1.8)	0.583	1.6 (1.0-2.6)	0.038	0.280
	Ln (Lipocalin-2)	2.4 (1.1-5.2)	0.029	1.3 (0.7-2.5)	0.455	0.245
<b>Model 2</b>	Ln (FGF-19)	0.7 (0.4-1.1)	0.157	1.3 (0.9-1.9)	0.202	0.057
	Ln (FGF-21)	1.2 (0.7-1.9)	0.538	1.7 (1.0-2.7)	0.039	0.293
	Ln (Lipocalin-2)	2.4 (1.1-5.2)	0.031	1.3 (0.7-2.5)	0.465	0.252
<b>Model 3</b>	Ln (FGF-19)	0.8 (0.5-1.4)	0.499	1.2 (0.8-1.9)	0.356	0.263

	Ln (FGF-21)	1.3 (0.8-2.0)	0.351	1.6 (1.0-2.8)	0.061	0.460
	Ln (Lipocalin-2)	2.3 (1.0-5.3)	0.062	0.9 (0.4-2.0)	0.825	0.123
<b>Model 4</b>	Ln (FGF-19)	1.1 (0.6-2.0)	0.812	1.2 (0.7-1.9)	0.504	0.824
	Ln (FGF-21)	1.3 (0.8-2.2)	0.306	1.3 (0.7-2.2)	0.372	0.962
	Ln (Lipocalin-2)	2.6 (1.0-6.7)	0.047	0.8 (0.4-2.0)	0.685	0.080

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Ln, natural logarithm. The diagnosis of pre-diabetes included glucose intolerance, impaired fasting glucose or two both. Model 1: no adjustment. Model 2: Model 1 + adjusted for age. Model 3: Model 2 + adjusted for waist at baseline. Model 4: Model 3 + adjusted for fasting glucose at baseline.