

	DM versus non-DM group Beta (95% CI)	OB versus non-OB group Beta (95% CI)
<i>Free amino acid concentrations (nMol/mL)</i>		
Alanine	18.0 (-117.4, 153.5)	-11.8 (-153.0, 129.3)
Arginine	29.9 (-22.7, 82.5)	7.1 (-43.6, 57.8)
Aspartic acid	86.8 (2.8, 170.7)	18.3 (-97.9, 134.6)
Citrulline	8.4 (0.5, 16.3)	2.6 (-6.6, 11.8)
Cystine	2.6 (-17.8, 23.0)	-0.3 (-21.9, 21.4)
Glutamic acid	291.7 (-389.9, 973.4)	80.1 (-628.2, 788.5)
Glutamine	7.2 (-8.4, 22.9)	-2.5 (-16.8, 11.9)
Glycine	26.0 (-35.2, 87.2)	18.8 (-42.8, 80.4)
Histidine	17.7 (-10.5, 45.8)	-2.4 (-44.5, 39.8)
Isoleucine	50.5 (-1.4, 102.4)	0.7 (-63.2, 64.6)
Leucine	75.4 (-47.4, 198.2)	39.6 (-76.2, 155.4)
Lysine	39.3 (-67.5, 146.0)	25.7 (-75.0, 126.4)
Methionine	18.2 (-6.9, 43.3)	9.2 (-15.5, 33.8)
Phosphoethanolamine	-21.3 (-52.4, 9.7)	24.9 (-2.9, 52.8)
Phenylalanine	35.8 (3.3, 68.4)	5.2 (-38.1, 48.6)
Proline	132.0 (-113.1, 377.2)	70.4 (-237.1, 377.9)
Phosphoserine	109.9 (22.3, 197.4)	-3.2 (-116.3, 109.9)
Serine	61.8 (-9.3, 133.0)	16.7 (-64.0, 97.5)
Taurine	-25.0 (-213.4, 163.4)	128.6 (-50.1, 307.3)
Threonine	19.2 (-55.2, 93.7)	-2.4 (-99.1, 94.3)
Tyrosine	53.1 (0.7, 105.6)	-5.8 (-90.6, 78.9)
Valine	56.6 (-24.5, 137.8)	41.2 (-74.9, 157.3)
<i>Energy metabolism hormones</i>		
Leptin (pg/mL)	297.7 (-314.7, 910.2)	653.9 (79.0, 1228.7)
Adiponectin (ng/mL)	0.45 (-58.3, 59.2)	-3.8 (-44.2, 36.6)
Insulin (mU/L)	33.7 (1.0, 66.3)	16.0 (-17.1, 49.1)