

Title: Methionine activates PRLR/JAK2/STAT5 by regulating prolactin to promote crop milk protein synthesis during lactation of domestic pigeons (*Columba livia*)

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Formulated nutrient composition									
Metabolic energy (MJ/kg)	12.13	12.13	12.13	12.13	12.13	12.13	12.13	12.13	12.13
Crude protein	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00
Calcium	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76
Total phosphorus	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56
Nonphytate phosphorus	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32
DL-Met	0.25	0.40	0.55	0.70	0.85	0.25	0.25	0.25	0.25
DL-Met-DL-Met	—	—	—	—	—	0.15	0.30	0.45	0.60
Lysine	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96

1 The diet was prepared in the mode of "50% granulated grain +50% raw grain", and the formula of table was the composition of granulated grain; DL-Met = DL-methionine; DL-Met-DL-Met = DL-methionine-DL-methionine.

2 Provided per kilogram of diet: copper, 10 mg; iodine, 0.2 mg; pantothenic acid, 7.5 mg; iron, 35 mg; choline chloride, 200 mg; manganese, 55 mg; biotin, 0.12 mg; vitamin A, 4,000 IU; B1, 3 mg; vitamin B2, 13 mg; vitamin B6, 2 mg; vitamin B12, 25 µg; vitamin D3 1,725 IU; vitamin E, 24 mg; vitamin K3, 1 mg; selenium, 0.25 mg; niacin, 15 mg; folic acid, 0.55 mg; zinc, 35 mg.