

Table 3. Blood parameters in all calves of RPL and CON dams immediately after birth[†]

	RPL calves (n = 22)		CON calves (n = 17) [‡]		<i>p</i> value
Glucose (mg/dL)	99.8	± 7.3	103.8	± 23.8	0.610
Total protein (g/dL)	4.5	± 0.0	4.4	± 0.0	0.046
Total amino acid (µmol/dL)	256.6	± 12.1	359.6	± 58.1	0.010
Total essential amino acid (µmol/dL)	65.9	± 2.2	83.1	± 9.9	0.017
Total non-essential amino acid (µmol/dL)	190.6	± 10.7	276.5	± 51.2	0.018
Isoleucine (µmol/dL)	5.0	± 0.3	6.2	± 1.0	0.288
Valine (µmol/dL)	16.6	± 0.7	19.5	± 2.0	0.153
Leucine (µmol/dL)	7.3	± 0.3	10.2	± 2.1	0.103
Histidine (µmol/dL)	8.8	± 0.4	10.4	± 1.3	0.110
Lysine (µmol/dL)	4.0	± 0.3	5.5	± 1.4	0.123
Threonine (µmol/dL)	4.7	± 0.4	6.6	± 1.1	0.035
Tryptophan (µmol/dL)	2.9	± 0.2	3.3	± 0.3	0.136
Phenylalanine (µmol/dL)	6.3	± 0.2	7.4	± 0.6	0.017
Methionine (µmol/dL)	2.9	± 0.1	4.2	± 0.4	0.001
Arginine (µmol/dL)	7.4	± 0.4	9.8	± 0.9	0.003
Asparagine (µmol/dL)	1.7	± 0.1	2.6	± 0.6	0.049
Glutamine (µmol/dL)	55.2	± 7.3	79.0	± 28.3	0.103
Serine (µmol/dL)	7.6	± 0.5	9.8	± 1.0	0.014
Aspartic acid (µmol/dL)	0.4	± 0.0	0.6	± 0.1	0.056
Glutamic acid (µmol/dL)	4.1	± 0.3	5.6	± 0.6	0.008
Alanine (µmol/dL)	49.3	± 2.7	84.6	± 16.5	0.004
Glycine (µmol/dL)	55.4	± 2.9	70.7	± 7.9	0.049
Proline (µmol/dL)	11.3	± 0.4	16.8	± 2.9	0.003
Tyrosine (µmol/dL)	4.2	± 0.2	5.2	± 0.7	0.145

[†] Values are presented as the mean ± standard error of the mean.

[‡] One calf was excluded because the colostrum was taken before blood collection.