

Supplementary Table S5. Variation (mean \pm SD) of serum concentrations of total proteins (PT) and albumin, and serum aspartate aminotransferase (AST) and gamma-glutamyltransferase (GGT) activities in high-producing Gyr cows grouped according to BCS at calving, on different days relative to calving (0 d) throughout the transition period.

Variable	Group	-21 d	-7 d	0 d	7 d	21 d	42 d
TP (g/L)	HBCS	79.61 \pm 7.67 ^{Ab}	78.47 \pm 7.22 ^{Ab}	77.47 \pm 4.95 ^{Ab}	79.23 \pm 4.67 ^{Ab}	86.19 \pm 6.97 ^{Aa}	81.66 \pm 11.24 ^{Aab}
	NBCS	82.10 \pm 9.53 ^{Ab}	80.10 \pm 9.75 ^{Ab}	79.10 \pm 8.18 ^{Ab}	80.40 \pm 8.62 ^{Ab}	88.60 \pm 9.30 ^{Aa}	86.50 \pm 9.83 ^{Aa}
Albumin (g/L)	HBCS	32.28 \pm 2.72 ^{Ab}	33.33 \pm 2.70 ^{Ab}	34.85 \pm 2.63 ^{Aab}	35.00 \pm 6.06 ^{Aab}	37.04 \pm 6.41 ^{Aa}	35.47 \pm 5.81 ^{Aab}
	NBCS	32.55 \pm 3.30 ^{Ab}	32.95 \pm 2.96 ^{Ab}	33.90 \pm 3.29 ^{Aab}	33.30 \pm 2.97 ^{Ab}	37.30 \pm 6.13 ^{Aa}	35.00 \pm 2.53 ^{Aab}
AST (U/L)	HBCS	62.71 \pm 11.24 ^{Ab}	74.57 \pm 32.53 ^{Ab}	77.57 \pm 21.83 ^{Ab}	96.00 \pm 31.03 ^{Aa}	73.71 \pm 18.30 ^{Ab}	74.85 \pm 18.64 ^{Ab}
	NBCS	60.10 \pm 11.77 ^{Ab}	61.40 \pm 7.74 ^{Ab}	69.65 \pm 25.51 ^{Aab}	83.50 \pm 24.34 ^{Aa}	68.20 \pm 19.63 ^{Aab}	68.50 \pm 14.58 ^{Aab}
GGT (U/L)	HBCS	26.23 \pm 5.10 ^{Ac}	33.38 \pm 5.21 ^{Abc}	42.76 \pm 22.06 ^{Aa}	34.95 \pm 24.60 ^{Abc}	36.71 \pm 23.00 ^{Abc}	40.38 \pm 16.81 ^{Ab}
	NBCS	26.75 \pm 6.49 ^{Ab}	31.60 \pm 6.21 ^{Aab}	41.10 \pm 14.81 ^{Aa}	35.50 \pm 25.52 ^{Aab}	36.60 \pm 23.81 ^{Aab}	32.65 \pm 8.93 ^{Aab}

^{A,B} different letters represent differences between groups ($P < 0.05$).

^{a,b,c} different letters represent differences between moments ($P < 0.05$).

HBCS: high body condition score (>3.5 ; $n = 21$); NBCS: normal body condition score (3.0 - 3.5 ; $n = 20$)