

Supplementary Table S8. Variation (mean \pm SD) of serum concentrations of total proteins (PT) and albumin, and serum aspartate aminotransferase (AST) and gamma-glutamyltransferase (GGT) activities in Gyr cows grouped according to milk yield 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)	HP	81.36 \pm 10.08 ^{Abc}	79.81 \pm 8.46 ^{Ac}	78.86 \pm 7.35 ^{Ac}	80.09 \pm 7.29 ^{Ac}	85.59 \pm 8.33 ^{Aab}	86.77 \pm 10.63 ^{Aa}
	MP	79.56 \pm 5.89 ^{Ab}	78.73 \pm 7.49 ^{Ab}	77.86 \pm 5.87 ^{Ab}	78.53 \pm 6.21 ^{Ab}	85.66 \pm 6.28 ^{Aa}	81.50 \pm 6.53 ^{Bb}
Albumin (g/L)	HP	31.63 \pm 2.87 ^{Ad}	33.04 \pm 2.60 ^{Ac}	34.54 \pm 3.08 ^{Abcd}	35.22 \pm 5.88 ^{Abc}	39.13 \pm 8.01 ^{Aa}	37.18 \pm 5.84 ^{Aab}
	MP	33.36 \pm 2.67 ^{Ab}	33.90 \pm 2.97 ^{Ab}	34.90 \pm 2.39 ^{Aab}	34.76 \pm 5.30 ^{Aab}	36.73 \pm 3.24 ^{Ba}	35.33 \pm 3.30 ^{Aab}
AST (U/L)	HP	60.36 \pm 10.22 ^{Ab}	66.00 \pm 19.96 ^{Ab}	65.68 \pm 15.27 ^{Ab}	93.09 \pm 27.50 ^{Aa}	68.31 \pm 9.10 ^{Ab}	70.00 \pm 11.35 ^{Ab}
	MP	61.90 \pm 11.40 ^{Ac}	64.66 \pm 13.78 ^{Abc}	74.06 \pm 18. ^{30Ab}	89.83 \pm 28.87 ^{Aa}	73.20 \pm 18.72 ^{Ab}	73.36 \pm 17.57 ^{Ab}
GGT (U/L)	HP	27.22 \pm 5.75 ^{Ac}	34.04 \pm 6.69 ^{Aabc}	41.81 \pm 19.45 ^{Aa}	30.31 \pm 5.47 ^{Abc}	32.90 \pm 5.60 ^{Aabc}	38.59 \pm 15.93 ^{Aab}
	MP	25.83 \pm 6.06 ^{Ab}	30.50 \pm 4.70 ^{Ab}	38.26 \pm 12.47 ^{Aa}	32.03 \pm 20.96 ^{Aab}	32.63 \pm 19.66 ^{Aab}	33.36 \pm 10.78 ^{Aab}

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

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

HP: high production (>30 kg/day; $n = 22$); MP: moderate production (20-30 kg/day; $n = 30$)