



*Supplement of*

## **Associations of bovine beta-casein and kappa-casein genotypes with genomic merit in Holstein Friesian cattle**

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**Table S1.** The descriptive data on genetic merit values (PTAs, TPI, and NM) of the studied Holstein-Friesian population ( $n=805$ ).

<b>Variable</b>	<b>Mean</b>	<b>Standard Error</b>	<b>Coefficient of Variation</b>	<b>Minimum</b>	<b>Maximum</b>
Milk yield	708.20	19.500	78.90	-1948.00	2144.00
Fat	33.61	0.726	61.79	-33.00	105.00
% Fat	0.02	0.003	385.13	-0.21	0.29
Protein	26.18	0.478	52.18	-39.00	62.00
% Protein	0.01	0.001	255.14	-0.10	0.10
CFP	59.79	1.080	51.78	-72.00	153.00
PL	2.84	0.052	51.98	-1.60	6.60
SCS	2.91	0.004	4.07	2.51	3.31
DPR	-0.08	0.048	-1705.19	-4.40	4.30
LV	0.57	0.055	253.18	-3.50	5.40
UDC	0.33	0.031	254.29	-3.00	3.60
FLC	0.09	0.021	616.92	-2.61	1.74
TPI	2376.30	6.030	7.08	1859.00	2884.00
NM	413.53	6.050	41.83	-190.00	904.00

CFP: Combined fat and protein; PL: Productive life; SCS: Somatic cell score; DPR: Daughter pregnancy rate; LV: Livability; UDC: Udder Composite; FLC: feet-legs composite; TPI: Total performance index; NM: Net merit