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Short note:

Results of molecular genetic examination of bovine Beta Casein:

Variants A1, A2, I and B

Doing a molecular genetic analysis of the Beta Casein gene, not only the A1 / A2 position is examined, but also other variants within the A1- or A2-like group. The B-variant belongs to the A1-like group. The I-variant belongs to the A2-like group. This can make the result appear somewhat complicated. For a better understanding, our genotypes can also be assigned to the following known groups:

Our results	A1/A1	A1/A2	A2/A2
A1/B	X		
B/B	X		
B/A2		X	
B/I		X	
A1/I		X	
A2/I			X
I/I			X

For any further questions please contact:

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All genotypes being homozygous A2/A2 or their variants (A2/I, I/I) may be used for the production of pure A2 milk.

The determination of the variants was carried out according to:
Farrell HM, Jimenez-Flores R, Bleck GT, Brown EM, Butler JE, Creamer LK, et al. Nomenclature of the Proteins of Cows' Milk—Sixth Revision. J Dairy Sci. 2004;87:1641–74