



Figure S1. LC-MS characterization of purified  $\alpha_{S1}$ -casein. A: UPLC of cow's milk  $\alpha_{S1}$ -casein; B: Mass spectra of cow's milk  $\alpha_{S1}$ -casein; C: UPLC of goat's milk  $\alpha_{S1}$ -casein; D: Mass spectra of goat's milk  $\alpha_{S1}$ -casein.

Table S1. Sequence of primers in quantitative real-time reverse transcription polymerase chain reaction.

	Forward primer (5'-3')	Reverse primer (5'-3')
$\beta$ -actin	GGCTGTATTCCCCTCCATCG	CCAGTTGGTAACAATGCCATGT
T-bet	AGCAAGGACGGCGAATGTT	GGGTGGACATATAAGCGGTTTC
GATA3	CTCGGCCATTTCGTACATGGAA	GGATACCTCTGCACCGTAGC
NF- $\kappa$ B	ATGGCAGACGATGATCCCTAC	TGTTGACAGTGGTATTTCTGGTG
Ocln	TTGAAAGTCCACCTCCTTACAGA	CCGGATAAAAAGAGTACGCTGG
Foxp3	CCCATCCCCAGGAGTCTTG	ACCATGACTAGGGGCACTGTA
claudin-1	GGGGACAACATCGTGACCG	AGGAGTCGAAGACTTTGCACT
claudin-2	CCTCGCTGGCTTGTATTATCTCTG	GAGTAGAAGTCCCGAAGGATG
ZO1	ACCACCAACCCGAGAAGAC	CAGGAGTCATGGACGCACA
ZO2	ATGGGAGCAGTACACCGTGA	TGACCACCCTGTCATTTTCTTG
claudin-3	ACCAACTGCGTACAAGACGAG	CAGAGCCGCCAACAGGAAA
claudin-5	GCAAGGTGTATGAATCTGTGCT	GTCAAGGTAACAAAGAGTGCCA
TLR4	ATGGCATGGCTTACACCACC	GAGGCCAATTTTGTCTCCACA
MyD88	TCATGTTCTCCATAACCTTGGT	AAACTGCGAGTGGGGTCAG
TRAF-6	AAAGCGAGAGATTCTTTCCCTG	ACTGGGGACAATTCCTAGAGC