



Data base of **candidate** genes for
QTL for milk production traits in cattle

#	BTA	Position	Gene expression		Mammary-specific expression ³	Cluster expression profile ⁴	Gene identifier		Co-localized bovine QTL ⁶	
			Mammary ¹	GeneAtlas ²			Human	Cattle ⁵	QTL viewer	QTL Map ⁷
1	1	3-6	93146 at	CLDN8	***	1,1,2,1	NM_199328	538761 ⁵		
2	(103)	10-11	96146 at	BTG3	*	1,1,2,1	NM_006806	541054		•
3		25	96953 at	CXCL14		1,1,1,2	NM_004887	511771		
4		43	93592 at	APOD		1,1,1,2	NM_001647	613972		•
5		51	94431 at	ST6GAL1		1,1,2,1	NM_173216	282073	BTA_1	
6		51-57	93949 at	GNB4		1,1,2,1	NM_021629	525962 ⁵		•
7		74	95708 at	SERP1	*	1,1,2,1	NM_014445	528100		
8		76	92851 at	CP	**	1,1,1,2	NM_000096	514194		•
9		81	104716 at	RBP1		1,2,1,1	NM_002899	537379		
10		82	161075 at	FAM62C		0,1,2,1	NM_031913	526280		•
11		93	92637 at	PFKL		1,1,2,1	NM_001002021	508683		
12	2	5	104386 f at	ITGAV		0,1,2,1	NM_002210	281875		•
13	(87)	26	104257 g at	PSCDBP	***	1,2,2,1	NM_004288	540450		•
14		69	100600 at	CD24	*	1,2,2,1	NM_013230	NW_930970	BTA_2	
15		75	94214 at	FABP3	***	1,2,2,1	NM_004102	281758		•
16		79	97909 at	STMN1		1,2,1,1	NM_005563	616317		
17	3	3	94367 at	UCK2		1,2,2,1	NM_012474	541028		
18	(85)	4	99481 at	ATP1A2		2,1,0,1	NM_000702	515161		••
19		4	102426 at	CASQ1		2,1,0,1	NM_001231	508394		
20		9	102918 at	MUC1	**	0,1,2,1	NM_002456	281333		