

LGALS3 promotes the proliferation of Liaoning Cashmere goat skin fibroblasts by regulating the expression of *PIEZ01*

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Electronic Supplementary Material (ESM)

Table S1. qPCR primer information

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Table S1. qPCR primer information

Name	GenBank Accession No.	Primer sequences (5'-3')	Annealing temperature (°C)	Amplicon length (bp)
<i>ACTB</i> -F	NM_001314342.1	CCTGCGGCATTACGAAAC	55	134
<i>ACTB</i> -R		TTTCTGCATCCTGTCTGCGA		
<i>LGALS3</i> -F	XM_018054119.1	GTC CCT ATGGCATCCCTTCT	52	115
<i>LGALS3</i> -R		TTC GC ATT GGGCTTACTG		
<i>PIEZ01</i> -F	XM_018061851.1	GCC ATCTCATCTGCCTCTATTG	54	180
<i>PIEZ01</i> -R		ATGCCGGGGTCACGTAC		

Table S2. Basic information statistics table of IgG and IP

Sample	Total_spectra	Identified_spectra	Identified_peptides	Identified_proteins
IgG	6 558	106	84	29
Ip	7 514	159	131	29

Table S3. Proteins interacting with LGALS3

Protein-ID	Protein-Q score	Protein-mass	Unique	Coverage	Name
A0A452FMC1	20.090	53 881.385	8	0.162	Keratin, type II microfibrillar, component 7C
A0A452FP96	3.292	61 866.135	1	0.027	Glycoprotein nmb
A0A452FM23	6.585	45 575.383	2	0.185	IF rod domain containing protein
A0A452EA90	2.250 9	62 550.656	1	0.014	Neurofilament light polypeptide
A0A452FL14	3.292	276 712.296	1	0.004	Piezo-type mechanosensitive ion channel component
A0A452EN33	8.835	55 849.986	3	0.066	IF rod domain containing protein
E7FKN7	6.585	46 085.566	2	0.156	Keratin33A
A0A452FHC8	5.543	61 812.668	2	0.047	Galectin 3 binding protein
A0A452FZB2	56.304	492 319.582	19	0.051	LDL receptor related protein 1
A0A452FFZ3	2.251	171 671.042	1	0.010	Tenascin C
A0A452DW36	2.251	116 127.698	1	0.011	Golgin subfamily A member 2 isoform X1
A0A452FJ68	2.251	29 963.700	1	0.055	Chromosome 1 open reading frame 74
A0A452E296	2.251	22 515.681	1	0.055	DIRAS family GTPase 2
A0A452E8Q0	23.214	24 807.420	8	0.345	Galectin
A0A452E0Y1	12.128	35 927.056	4	0.152	Galectin

Table S4. Pathway analysis of LGALS3 interacting proteins

Pathway	Proteins with pathway annotation	Pathway ID
Estrogen signalling pathway	3 (21.43%)	Ko04915
Malaria	1 (7.14%)	Ko05144
Cholesterol metabolism	1 (7.14%)	Ko04979
Focal adhesion	1 (7.14%)	Ko04510
Amyotrophic lateral sclerosis (ALS)	1 (7.14%)	Ko05014
Alzheimer disease	1 (7.14%)	Ko05010
Human papillomavirus infection	1 (7.14%)	Ko05165
PI3K-Akt signalling pathway	1 (7.14%)	Ko04151
ECM-receptor interaction	1 (7.14%)	Ko04512
MicroRNAs in cancer	1 (7.14%)	Ko05206