

1 **Milk proteomic analysis reveals differentially expressed proteins in high-yielding and**
 2 **low-yielding Guanzhong dairy goats at peak lactation**

Commented [CK1]: The title has been changed: please amend if you wish

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 7 SUPPLEMENTARY FILE

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 9 Table S1. Top 15 upregulated differentially expressed proteins

Accession	Gene name	Product	Peptides	Score	<i>P</i>
A0A452ESU7	HSPB1	Heat shock 27 kDa protein	10	44.7	0.002
A0A452FM00	FABP5	Fatty acid binding protein 5	5	11.4	0.002
A0A452DSB1	ANXA2	Annexin	15	57.3	0.004
A0A452EWJ3	PLP2	Proteolipid protein 2	1	2	0.005
A0A452E7W7	LOC108636060	C-type lectin domain family 2 member D11-like	4	14.8	0.007
A0A452F6K1	PROC	VitaminK-dependent protein C	2	3.0	0.007
A0A452DPW0	CHI3L1	Chitinase-3-like protein 1	15	116.9	0.008
A0A452G2G1	S100A4	Protein S100	2	4.8	0.009
A0A452F4M2	LDH-A	L-lactate dehydrogenase	9	32.3	0.010
A0A452ETX9	LOC102175560	Alpha-2-macroglobulin	20	81.4	0.011
A0A452FZP6	ASRGL1	Asparaginase-like protein 1	7	24.4	0.013
A0A452G4D9	GLDN	Gliomedin	1	2.7	0.015
A0A452FKB0	H1-2	H1.2 linker histone, cluster member	11	67.1	0.016
A0A452DRA2	EFNA1	Ephrin A1	1	9.1	0.018
H9TKZ8	TALDO	Transaldolase	4	4.6	0.019

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Table S2. Top 15 downregulated differentially expressed proteins

Accession	Gene name	Product	Peptides	Score	<i>P</i>
B5LSV4	LALBA	Alpha-lactalbumin	2	16.8	0.002
A0A452E1K5	GLG1	Golgi apparatus protein 1	17	44.3	0.007
P00712	LALBA	Alpha-lactalbumin	10	1149.7	0.008
A0A452E757	PRCP	Prolylcarboxypeptidase	2	4.3	0.009
A0A452FCM6	HEXA	Beta-hexosaminidase	6	10.8	0.009
A0A452DW02	KIF27	Kinesin family member 27	1	2.6	0.013
A0A452DY90	CD151	Tetraspanin	4	9.5	0.013
A0A452EZT9	XDH	Xanthine dehydrogenase	60	733.0	0.018
A0A452E455	LOC102177258	Placenta-expressed transcript 1 protein	1	2.9	0.019
A0A452FJ48	RRAS2	RAS related 2	2	2.4	0.024
B2M0S8	RhoB	Ras homolog family member B	3	10.0	0.024
A3EY52	BTN1A1	Butyrophilin subfamily 1 member A1	20	538.2	0.025
A0A452DYZ1	LOC108634682	Peptidylprolyl isomerase	2	15.3	0.026
A0A452FX35	CTSA	Carboxypeptidase	9	34.8	0.033
A0A8C2QYX7	FST	Uncharacterized protein	1	2.3	0.033