Supplementary Materials

Table S1. Mass spectrometry data showing significantly differentially abundant proteins identified in camel milk using 2D-DIGE [analysis type: matrix-assisted laser desorption/ionization; database: SwissProt; taxonomy: Mammalian].

Spot Number [a]	Accession Number [b]	Pi [c]	MW [d]	Cov% [e]	Score [f]
219	Q9TUM0	8.66	79158	21	59
242	P31428	5.9	46109	31	58
247	Q9TUM0	8.66	79158	25	62
253	Q9TUM0	8.66	79158	29	65
255	P01009	5.37	46878	36	68
256	P02647	5.56	30759	72	238
270	P02675	8.54	56577	55	205
276	Q8CG71	5.57	80959	19	63
280	P02679	5.37	52106	52	130
285	P02679	5.37	52106	52	130
288	Q32KP7	10.18	14535	38	65
309	Q9TUM0	8.66	79158	44	116
316	Q9TUM0	8.66	79158	48	184
318	P79385	7.61	53619	28	58
340	Q9TUM0	8.66	79158	35	114
333	P02768	5.92	71317	41	88
338	Q9TUM0	8.66	79158	46	150
339	Q9TUM0	8.66	79158	42	173
343	Q9TUM0	8.66	79158	38	131
348	Q9TUM0	8.66	79158	43	175
353	P02679	5.37	52106	46	145
357	Q9TUM0	8.66	79158	30	110
358	Q9TUM0	8.66	79158	44	143
359	Q9TUM0	8.66	79158	48	175
360	P15539	9.86	57449	18	60
361	Q6IML7	8.72	31329	33	64
368	Q9TUM0	8.66	79158	45	123
373	Q9TUM0	8.66	79158	50	171
384	P02750	6.45	38382	42	71
396	Q9GK12	9.1	21763	31	58
398	Q9TUM0	8.66	79158	36	128
400	Q7Z713	5.39	17650	52	60
407	Q9H3Z7	8.9	53205	16	57
409	Q8MJ14	6.74	22863	37	59

413	P02790	6.55	52385	48	96
433	Q9TUM0	8.66	79158	42	139
438	Q9TUM0	8.66	79158	48	158
440	Q8R0F8	7.59	25484	42	58
454	Q5E9H8	9.3	42307	25	60
459	Q9TUM0	8.66	79158	46	129
462	P01876	6.08	38486	42	58
472	Q96SZ5	5.68	30074	24	59
474	Q9TUM0	8.66	79158	48	146
492	Q95KI3	8.95	41206	22	58
500	Q9TUM0	8.66	79158	51	172
501	P00435	6.74	22930	40	60
516	Q6GPH4	8.57	35857	40	62
517	Q8NBT0	7.31	45551	28	60
539	P02675	5.37	52106	50	129
543	Q68G74	8.66	40445	21	73
546	Q6AYB4	5.41	55170	24	59
553	Q2KJ64	6.09	35272	34	62
561	P79385	6.15	46722	29	63
562	P79385	6.15	46722	25	58
564	P79385	6.15	46722	27	65
568	P46065	4.4	23723	62	64
572	P06323	9.13	14908	37	60
579	P79385	6.15	46722	34	75
574	P79385	6.15	46722	34	79
578	Q9TUM0	8.66	79158	25	92
582	P04217	5.58	54809	37	90
585	Q9QYE2	7.81	76169	19	57
587	Q6AYB4	5.41	55170	23	59
588	Q28560	5.62	58814	20	60
594	Q2KJ64	6.09	35272	36	61
595	Q13595	11.27	32726	39	58
596	P02675	5.37	52106	48	120
539	P70097	10.04	18714	50	65
543	Q68G74	8.66	40445	21	73
548	Q6AYB4	5.41	55170	24	55
553	Q2KJ64	6.09	35272	34	54
561	P79385	6.15	46722	29	63
562	P79385	6.15	46722	25	58
560	P79385	6.15	46722	27	65
570	P46065	4.4	23723	62	64
576	P06323	6.15	46722	34	75

579	P79385	6.15	46722	34	79
578	Q9TUM0	8.66	79158	25	92
582	P04217	5.58	54809	37	90
586	Q9QYE2	7.81	76169	19	59
590	Q6AYB4	5.41	55170	23	59
588	Q28560	5.62	58814	20	60
593	P34896	6.09	35272	36	61
600	Q13595	11.27	32726	39	58
596	P02675	5.37	52106	48	120
597	P70097	10.04	18714	50	65
604	Q68SB1	9.54	62870	30	57
615	P00738	6.13	45861	21	70
616	P00747	7.04	93247	30	77
621	P32261	6.1	52484	24	60
629	Q62803	6.09	59059	26	64
644	Q91Z85	6.32	58312	22	59
662	P16261	9.97	35375	30	61
664	Q8HX86	6.46	28752	35	59
723	P10909	5.89	53031	26	78
769	Q9NSQ0	9.73	12568	46	68
793	O14791	5.6	44009	32	59
796	Q3MID3	8.08	56863	26	85
803	P15169	6.86	52538	33	62
819	Q62803	6.09	59059	14	57
827	Q9UHR4	8.82	57189	19	58
828	Q9CTN5	5.45	67339	18	59
832	Q3UR70	6.24	98382	11	64
847	P24310	10.12	9169	60	70
849	Q8NBP0	6.56	97607	19	54
856	Q29563	7.62	36534	23	62
917	P15522	5.36	17281	30	59
985	P15522	5.36	17281	25	57
1013	P15522	5.36	17281	30	54
1041	O14618	5.32	29536	30	60
1069	P00710	5	14877	65	66
1090	P00710	5	14877	53	94
1105	P00710	5	14877	45	64
1147	Q8NFU3	5.85	12579	20	51
1155	Q86X95	5.82	81606	26	99
1167	A8K979	9.12	78549	22	66

[a] Spot numbers correspond to those included in the 2D-image.

[b] Protein accession number for SWISSPROT Database.

[c] Theoretical isoelectric point.

[d] Theoretical relative mass.

[e] % of peptide sequence Coverage.

[f] MASCOT score.

Table S2. Experimental design: nine samples of camel milk were run on five analytical 2D-DIGE gels; the samples were labeled randomly with Cy3 and Cy5; a pooled sample was used as an internal standard and was stained with Cy2.

GEL	CY3	CY5	CY2
1	CM-RT (1)	CM-63°C (1)	POOL
2	CM-98°C (1)	CM-RT (2)	POOL
3	CM-63°C (2)	CM-98°C (2)	POOL
4	CM-RT (3)	CM-63°C (3)	POOL
5	CM-98°C (3)	-	POOL