

Supplementary Table S1. Targeted genes of *Staphylococcus xylosus* for the validation of microarray data by qPCR: expression at T24h and T48h in solid dairy matrix compared with T6h.

Gene Id	Gene name	Sequences of primers pairs for qPCR (5'-3')		Mean ratio of expression			
				Microarray		qPCR	
		Forward	Reverse	24h	48h	24h	48h
SXYL_00370		ATGCCAAAAGTATCCTTAGTACCA	GCACGTTTCATCTCAATCGTC	0.2	0.2	0.1	0.1
SXYL_02535	<i>ahpF</i>	AACGCACACCAAGTTTCTCA	TTAATGCTTGAACAACGTGAGG	0.3	0.3	0.1	0.0
SXYL_00197		ATAGTCGTGGCTTTCTTCCTAC	ATTGAACTTGAGATACATTATCAGGC	15.7	13.6	8.2	7.0
SXYL_01277	<i>dnaK</i>	TTAGGTACAACAAATTCATGTATTGCA	GATAGATTGGATTGTATTAGGGTTAGTGA	0.4	0.4	0.1	0.1
SXYL_02088	<i>uvrA</i>	AGCGTAGATATGTTGAATCATTAAAGTG	GGTTGCACAGTAGATCTTGGA	2.3	2.1	2.4	2.2
SXYL_02230		GAAACAACCTTTCCATAATTCGCTTTT	ATCATATACTTCAACAACCTTGAGCT	0.5	0.4	0.2	0.1
SXYL_02534	<i>ahpC</i>	CACAGCTAACGCTTATGATCC	CGAATGAGAAGTCTGCTGGG	0.3	0.3	0.1	0.1
SXYL_00173		GGAAGTTGGATAGAGCCACAA	TTCTACACGATCCGCAATATCTAAT	12.2	6.8	11.4	5.7
SXYL_00607	<i>araB1</i>	ATGGGCACAGTCAATAGT	TTACGAGGTAATCGCCTGC	2.6	2.0	2.2	2.1
SXYL_01961	<i>argG</i>	TGGTTTAGATACAAGTGTGCGCA	TGCATATGACACGAAATCTTCAC	3.0	6.9	2.7	6.3
SXYL_00226	<i>betA</i>	TTCACTACTAGGTGGCCGAT	AAACTTTACCACGTGCATGTC	1.6	1.6	0.9	1.2
SXYL_00108		ATGGTGAGCAAATTCAAACTGAAA	AAGCATTAGCAGCGCTATCAA	21.6	14.1	17.1	7.6
SXYL_02630	<i>cysC</i>	GCATGCGTCAGAAAGTAACTAAAG	CGATCTTCTGGACTAAATCCAAGAT	25.1	29.9	17.5	37.4
SXYL_02638	<i>cysH</i>	GTACGAAACATATGGCGATTCTATTAT	TAACAACATIGATTGCGATCGTTC	20.0	18.5	19.3	23.1
SXYL_02636	<i>cysI</i>	ACAGACAGTGATTATCTTCGTGG	TATGTGTTTGGCATATCGTCCAT	49.2	43.5	46.9	54.0
SXYL_00784	<i>czrA</i>	GGAAGATTCATTTAACGAACAAACG	TTGGTGAGAAACGTTAGATTGACT	5.5	6.1	4.1	4.5
SXYL_02149	<i>fruK</i>	AGGAGGCTTTCCAGGACAA	GTGGACCAGCGCATTAAAT	0.1	0.4	0.1	0.2
SXYL_00101		GCAGAAGAAGGTGCAAAACG	GCGTTATTGACCAAGCCATC	2.3	2.1	2.2	2.0
SXYL_00107	<i>glnA2</i>	GGTAAGCGAATTACTGGAGACTT	CCGTCTACGGAGTAAACATCA	25.5	14.6	37.2	14.9
SXYL_02582		ACGCCTGTAGCTCAAATAGTG	GGCTGCGAATTCTCTGGAAT	2.9	4.2	2.1	3.8
SXYL_00467	<i>hisG</i>	GCGTTAGAACAGAGAGAACGT	GCCAAATGGTAAGTCCAGAAG	3.4	2.6	4.3	2.9
SXYL_00618	<i>hutI</i>	GATGGCAAAGTAGTTTATGCAGG	TCCACCTTGTTCAGAAATTCTA	3.8	3.7	3.1	2.9
SXYL_00276	<i>ldhB</i>	GGAAGAGTAGGTAGTCAAGTTTAAAC	CTAATAATGTACGATCGCCATCATT	2.6	4.8	3.2	5.0
SXYL_00868	<i>leuD</i>	CAGGTAAAGTAGTGCCATTATTCC	ACCAGTAATTAAAATTGAAGCACCTT	5.0	3.0	4.7	2.4
SXYL_01974	<i>mnhE1</i>	CGTCACAGGCAGTTATACATTTAATAA	CGGCTCATTATCAATCTTTGGTTT	0.3	0.3	0.1	0.1
SXYL_02147	<i>nagA</i>	GGACGCTTCATTGGAAGGATT	TCCCAACAATACTAGCTGCAT	0.5	0.5	0.3	0.2
SXYL_01002		CATAGAGCGAGAGTGACGG	ACCACTACCTCGTTCACCTT	0.3	0.3	0.1	0.1
SXYL_01803	<i>pheT</i>	TAACGTGCTTGCTGAACGTAT	TGGCTCTACTTCACCAATGTC	0.4	0.5	0.3	0.6
SXYL_01869	<i>purC</i>	GTGGTAAGAAATATTGCTGCAGG	GAAGTCTACTAACCTTAAGTTCATTCA	15.5	8.0	8.6	3.4
SXYL_01870	<i>purK</i>	CAACAATCGGCATTATTGGTGG	ACCAAGTTGTTCATATGCTTC	19.1	10.8	10.0	5.7
SXYL_02631	<i>sat</i>	AACTCGATGAAATGGAACGC	GGCGCACGTAATCTAATCATAA	47.8	47.2	76.9	83.4
SXYL_00837		AACAGTAATCGCATCAACTTTAGC	CCTTCTGAACTGGTGCTTCA	125.1	125.6	121.3	108.8
SXYL_00841	<i>thiE</i>	GTGGTACTCAAGATATACCAGTATCG	GGTACATTATAAGCGTGACAAAGC	1.9	1.8	1.2	1.7
SXYL_01498	<i>trpB</i>	GATTATGTCGCGCGTGAAC	CGTTTAGCCAACAGTGCTTG	7.9	8.2	10.0	19.3
SXYL_01500	<i>trpC</i>	TGCTCGAACAGGGCTATTATG	GTGCTAAATCTCTACCTGGCA	7.0	7.1	8.0	12.2
SXYL_00296	<i>ureA</i>	GCAGCAGATTTAGCTCGTAGA	CCTCCATTACATCATCTCACC	2.8	2.0	2.7	2.1
SXYL_00417		GTAATCAACAGACACTATGGACG	GGGTATTAAATAACTTAACGTGATCTGAG	25.0	18.6	19.1	20.7
SXYL_02348		TCAACACTTGTAGTAGGTTCTTCAG	TTCAGCTTTTAGTCTGCTTTACTTT	109.8	124.6	121.7	191.1
SXYL_02642		GAAGTAATATTCGATGCACATAGAGG	ACCTTCAGTTTAGCTAGCTTT	28.7	28.4	15.5	23.2
SXYL_02634		GTCTTATATGTAAGTCACGGTAGTAGAG	GTTCAATTTCTGATGGAATGTCCTT	46.8	45.4	49.1	79.9
SXYL_02644	<i>metE</i>	TTACACAAAGAGAACTTATTACTCCAAA	ATATAGTGATAGTTTGTGTGAACCATT	124.1	115.3	90.9	105.2
SXYL_02645		ATTAGAACAATTTAAATCATCAACGTGG	AGTACCATACTGACTTACAATATTCCAA	112.5	99.0	107.4	107.6
SXYL_00255		GACGTATGAAAATGGATAAGAATTTGATG	TCATCAGCAAAATAAGGAAATGCTTT	15.0	9.0	12.6	8.3
SXYL_00744	<i>amaP</i>	GGCATATTAATTGTAGTAATCGTTGGA	GACCAATAATAATGAGTAACGCTGC	13.2	11.3	9.3	10.1