

Figure 1

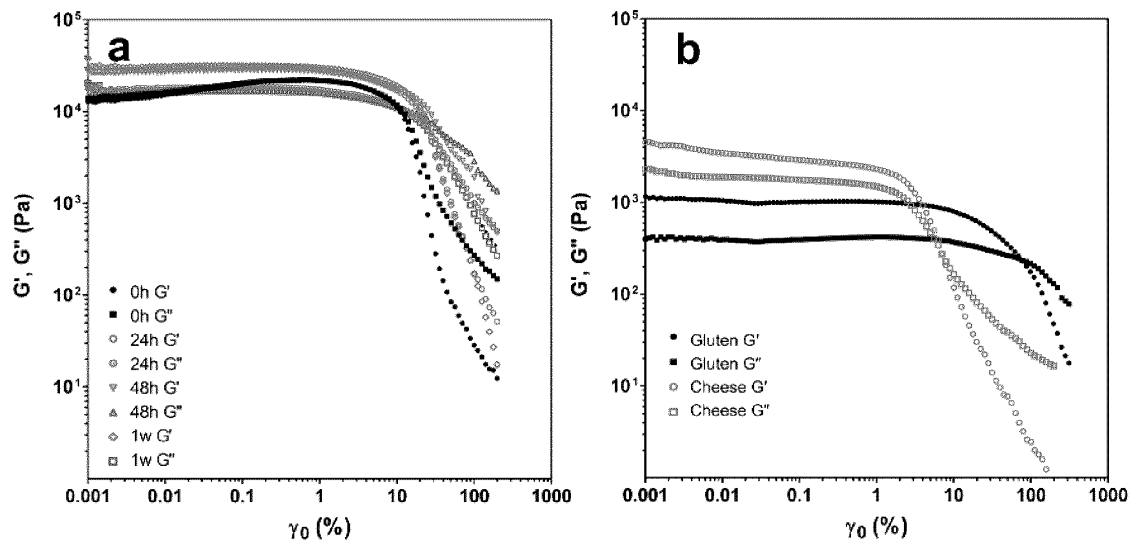


Figure 2

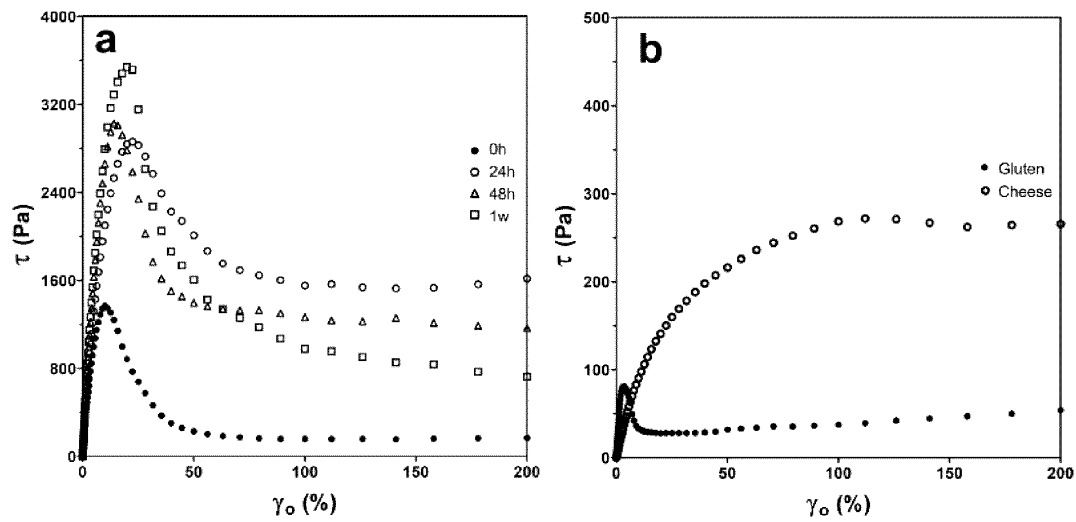


Figure 3

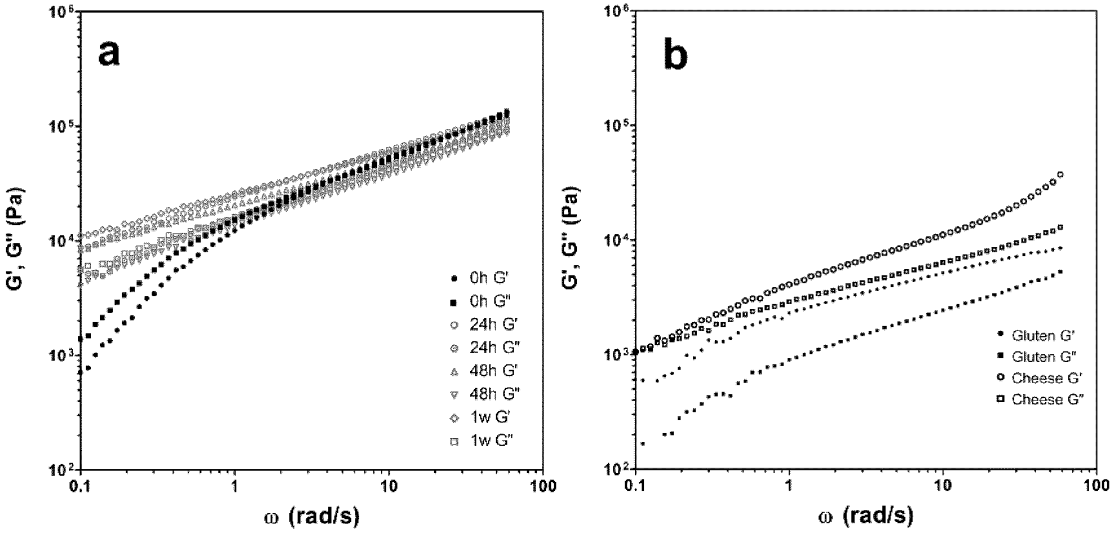


Figure 4

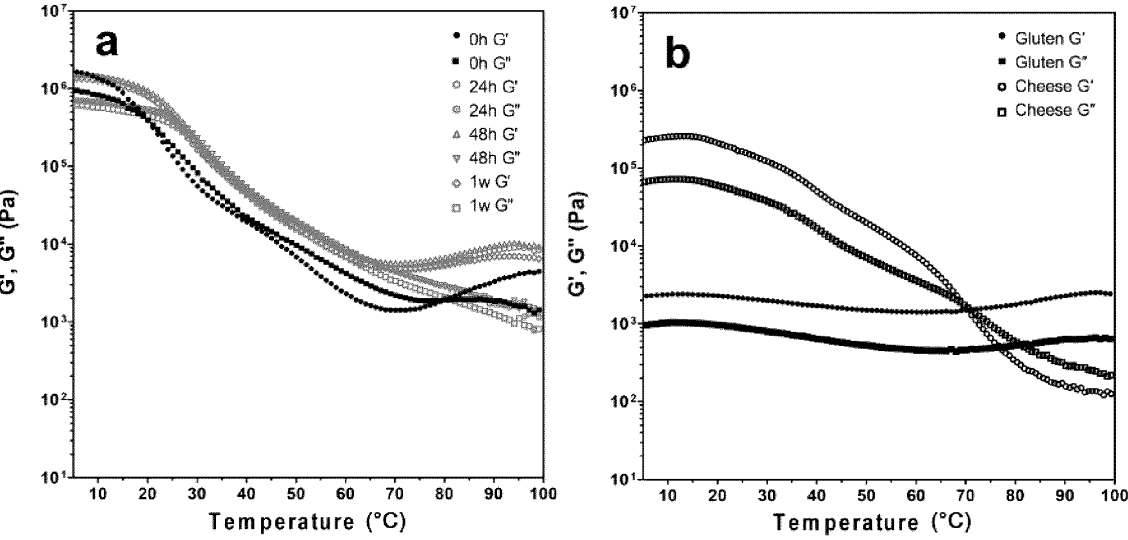
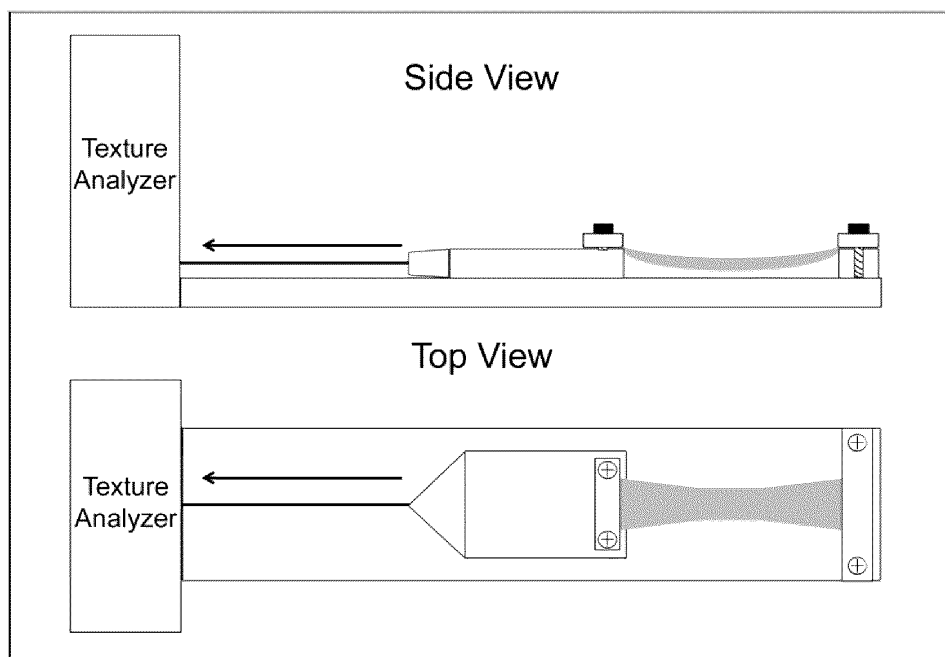


Figure 5



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Figure 6

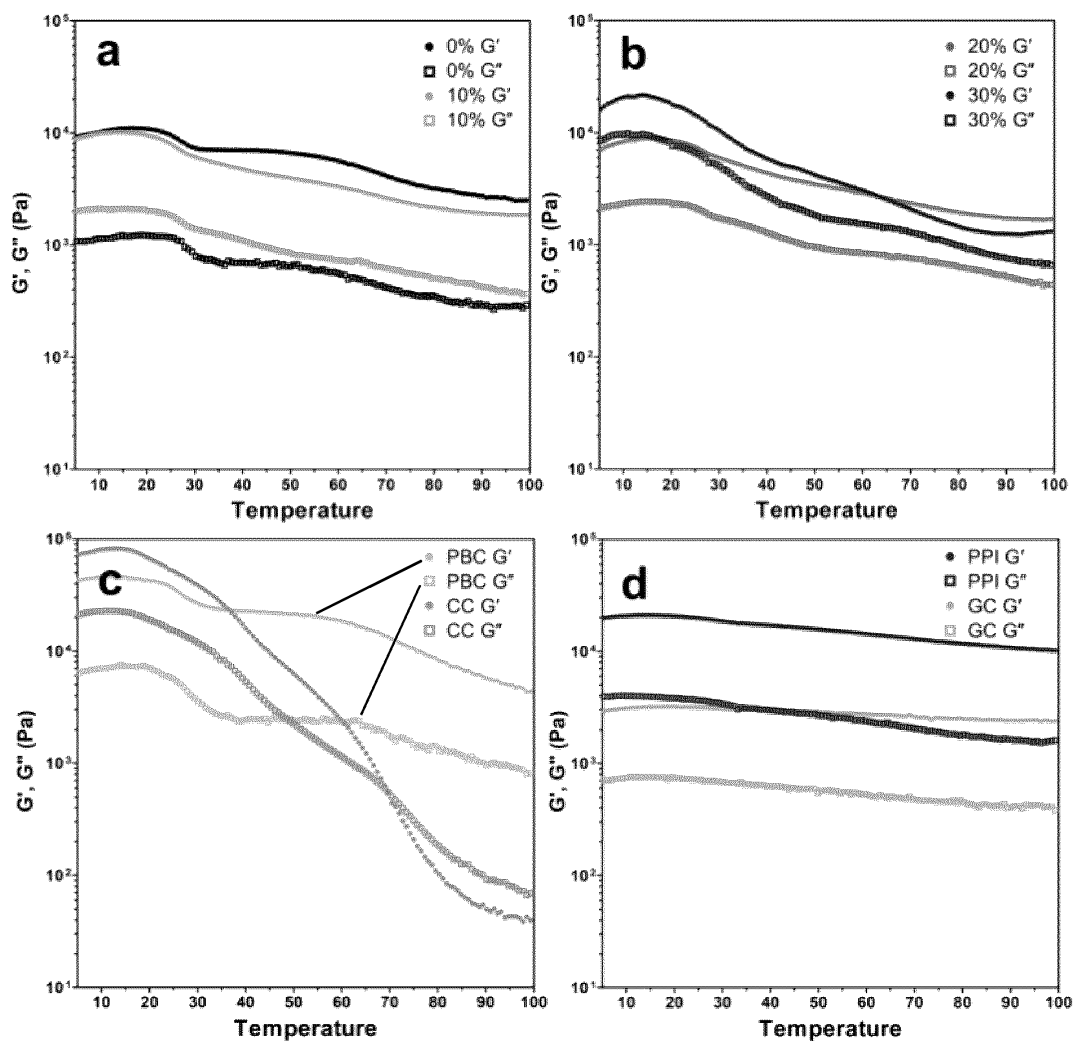
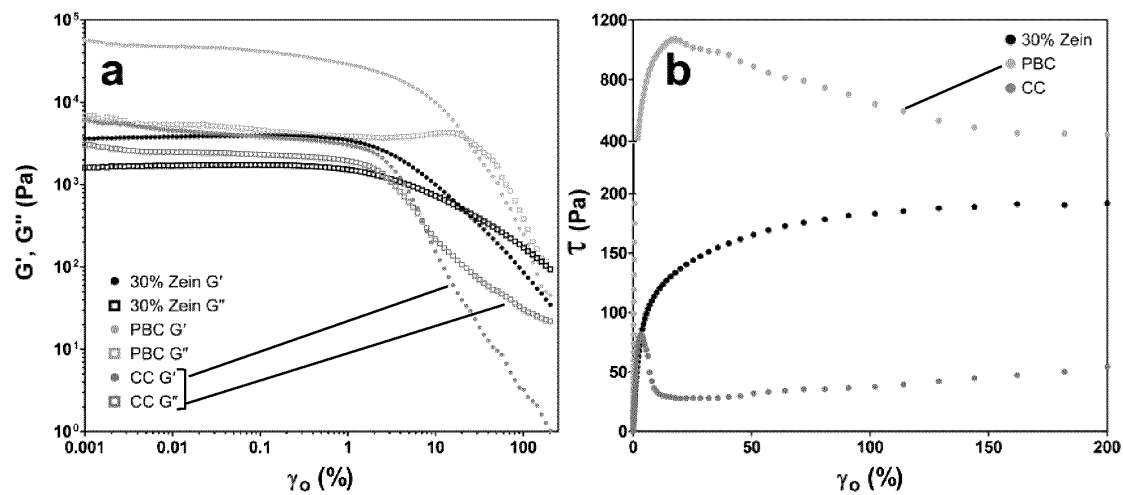
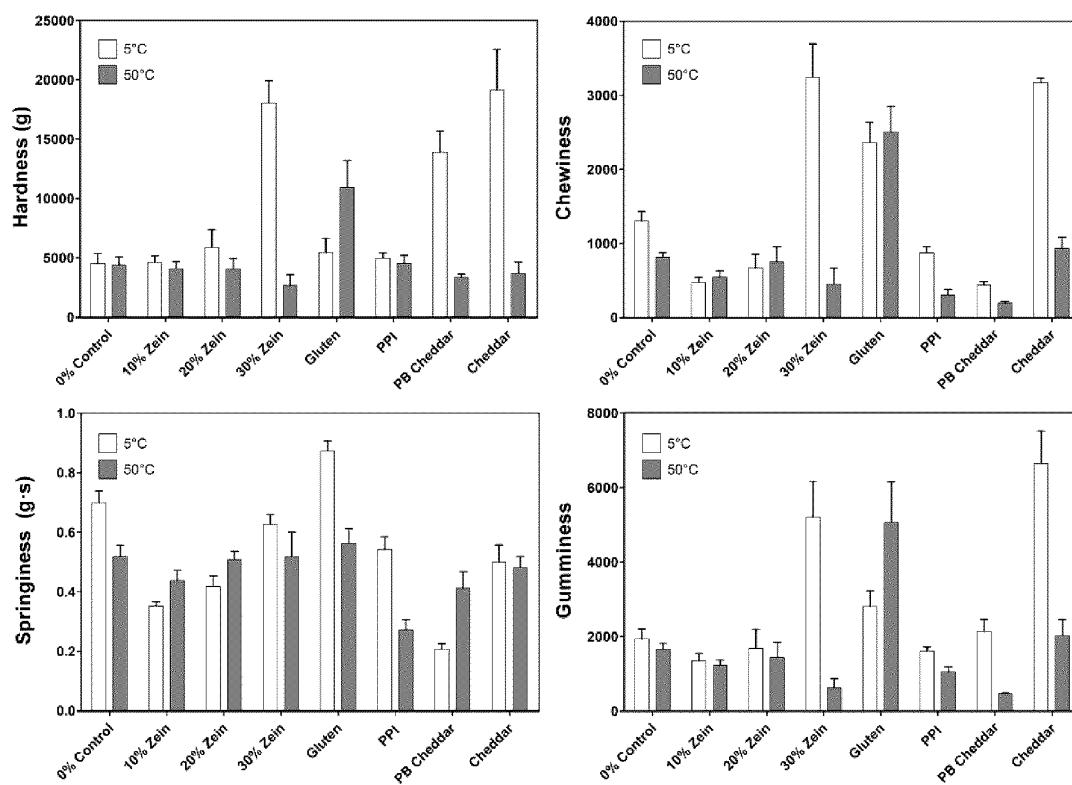


Figure 7



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Figure 8



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Figure 9

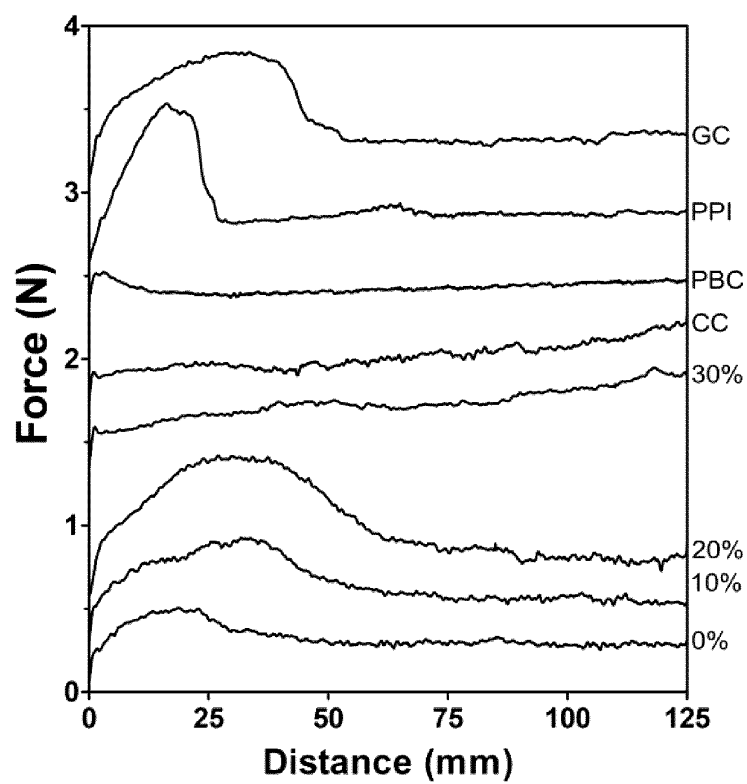


Figure 10

	α -zein (19 kDa)	α -zein (22 kDa)	γ -zein (16 kDa)	γ -zein (27 kDa)	β -zein (15 kDa)	δ -zein (10 kDa)	δ -zein (18 kDa)
Alanine (Ala)	13.6	13.8	7.9	4.9	13.9	5.5	5.4
Arginine (Arg)	1.4	1.6	1.8	2.5	3.2	0.0	0.0
Aspartic Acid (Asp)	0.5	0.0	0.0	0.0	0.6	0.8	0.5
Asparagine (Asn)	4.5	5.3	0.6	0.0	1.0	2.4	1.1
Cysteine (Cys)	0.9	0.4	7.3	7.4	4.4	3.9	1.6
Glutamic acid (Glu)	0.5	0.8	1.8	1.0	1.9	0.0	0.5
Glutamine (Gln)	19.5	20.7	18.9	14.7	16.5	11.8	8.6
Glycine (Gly)	0.9	0.9	9.1	6.4	8.9	3.1	2.7
Histidine (His)	0.5	1.2	2.4	7.8	0.0	1.6	1.1
Isoleucine (Ile)	4.5	4.5	0.6	2.0	0.6	4.7	4.8
Leucine (Leu)	19.5	17.1	8.5	9.3	10.1	9.4	5.4
Lysine (Lys)	0.0	0.0	0.0	0.0	0.0	0.0	0.5
Methionine (Met)	0.5	2.0	1.8	0.5	11.4	22.8	26.9
Phenylalanine (Phe)	5.5	3.3	4.3	1.0	0.0	3.9	2.7
Proline (Pro)	10.0	8.9	15.2	25	8.9	15.7	17.2
Serine (Ser)	7.3	6.9	5.5	3.9	5.1	6.3	9.1
Threonine (Thr)	3.2	2.8	3.7	4.4	2.5	3.1	5.9
Tryptophan (Trp)	0.0	0.0	0.6	0.0	0.0	0.0	1.1
Tyrosine (Tyr)	3.6	2.8	4.9	2.0	8.9	0.8	1.6
Valine (Val)	2.7	6.9	4.9	7.4	2.5	3.9	3.2

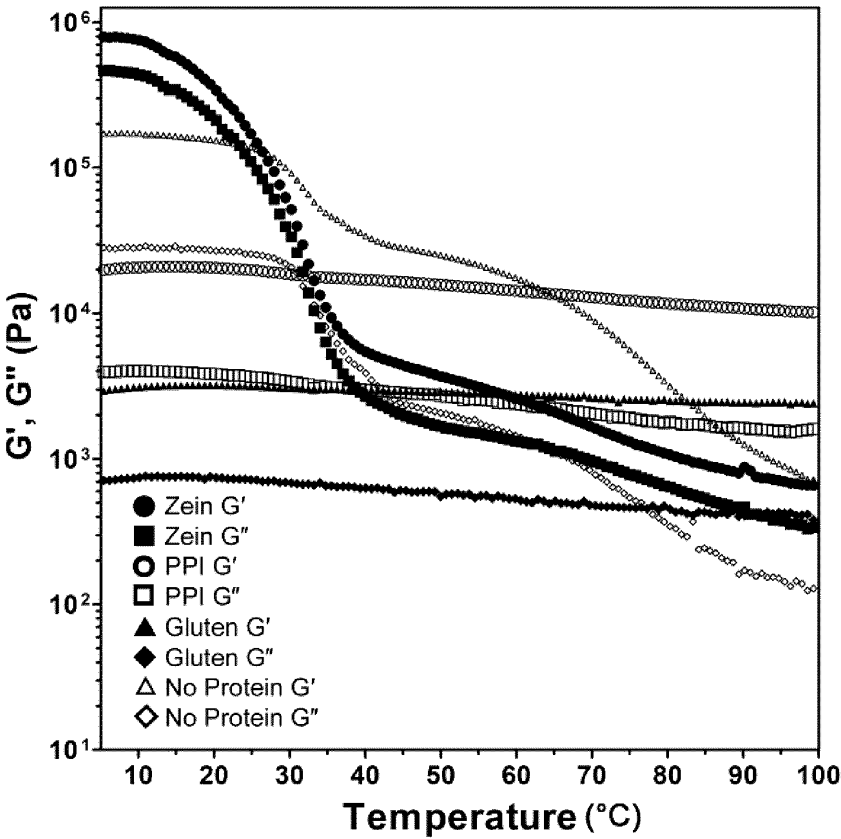
Coleman, C.E. & Larkins, B.A. The Prolamins of Maize (1999) *In: Seed Proteins* (Shewry, P.R. & Casey, R. Eds.). Springer Publishing.

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Figure 11

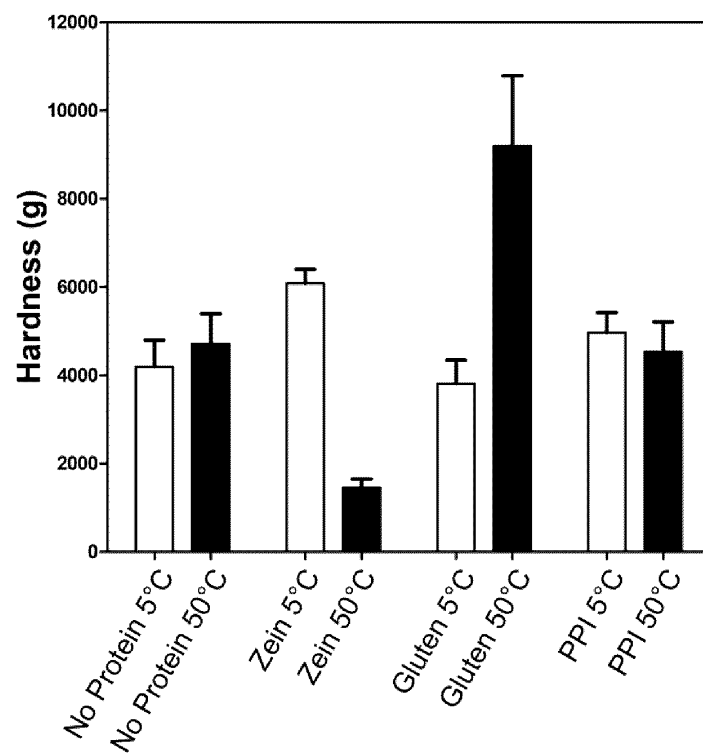
10	20	30	40	50
MATKILALLA	LLSLSVSATT	AFIIPQCSLA	PNAIIPQFLP	SVTSMGIEHP
60	70	80	90	100
IVQAYRLQQA	LAASVLQQPF	AQLQQQSLAH	LTIQTIATQL	EQQFVPALSQ
110	120	130	140	150
LAAVNPVSYL	QQQMLASNPL	ALANTAAYQQ	QLQLQQFLPA	LSQLARVNPA
160	170	180	190	200
TYLQQQQLLS	SSPLAVGNAA	TYLQQQLLQQ	IVPALSQLVV	ANPTAYLQQL
210	220	230	240	250
LPFNQLDVAN	SAAYLQQRQQ	LLNPLAAANP	LVA AFLQQQQ	FLPYNQISLM
260				
NLALSRQQPI	VGGAIF			

Figure 12



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Figure 13



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Figure 14

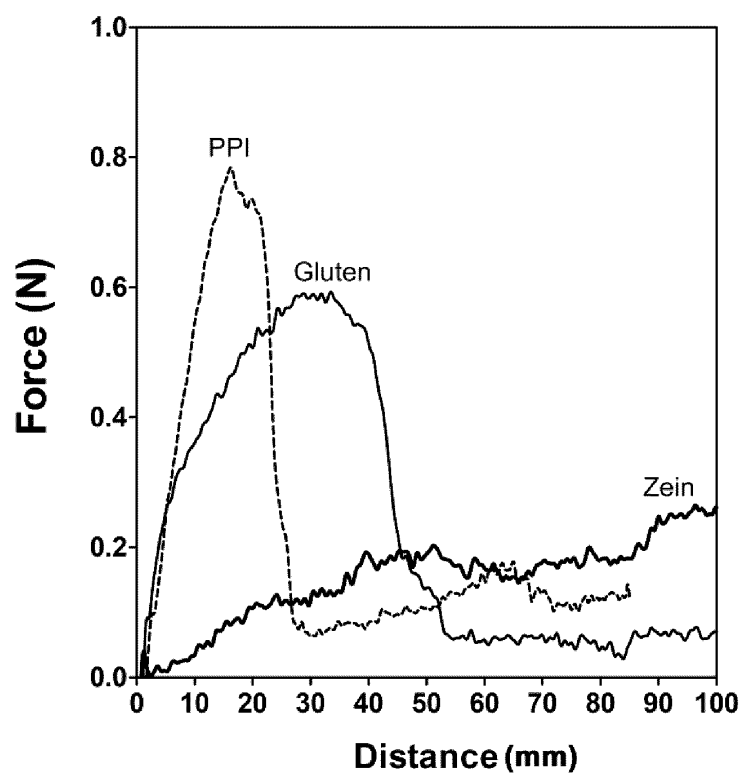


Figure 15

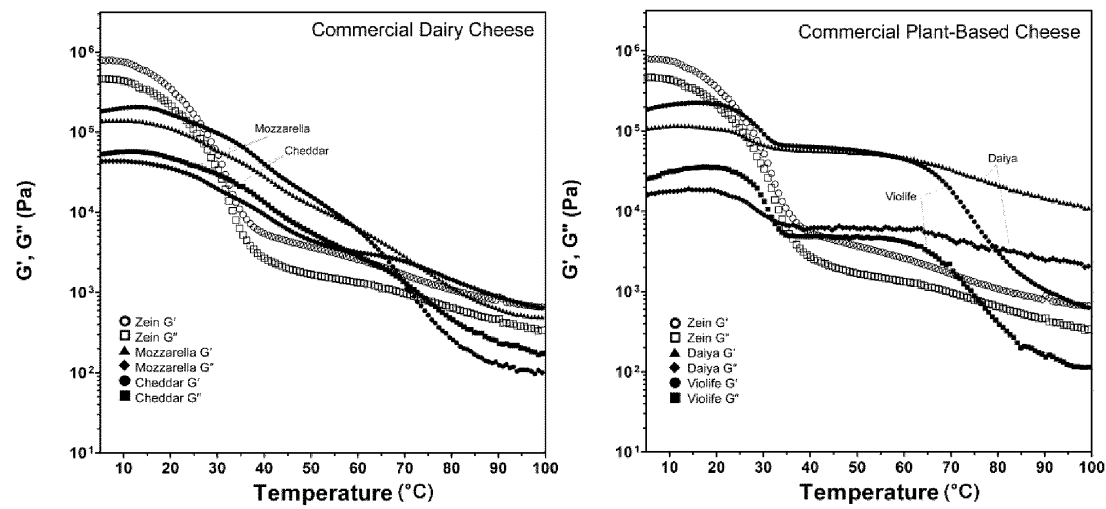


Figure 16

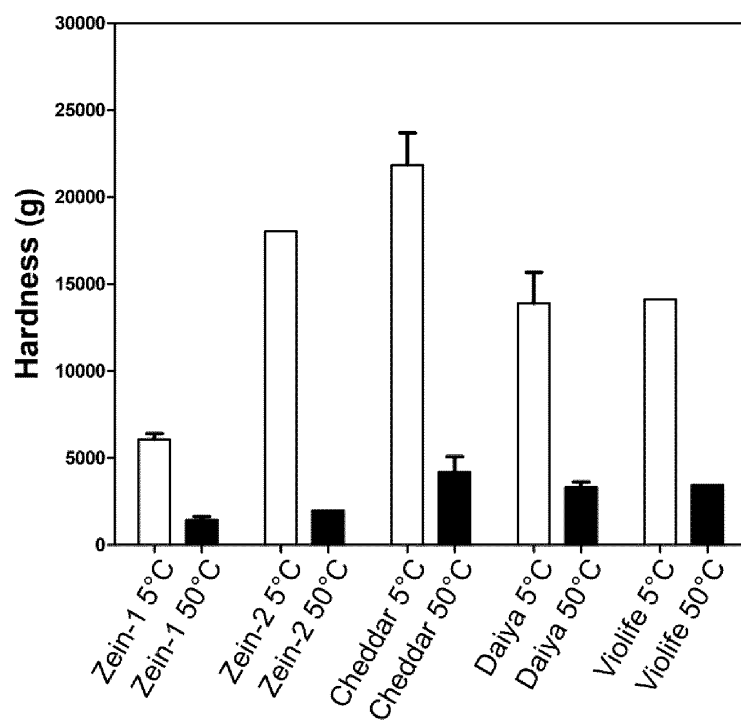


Figure 17

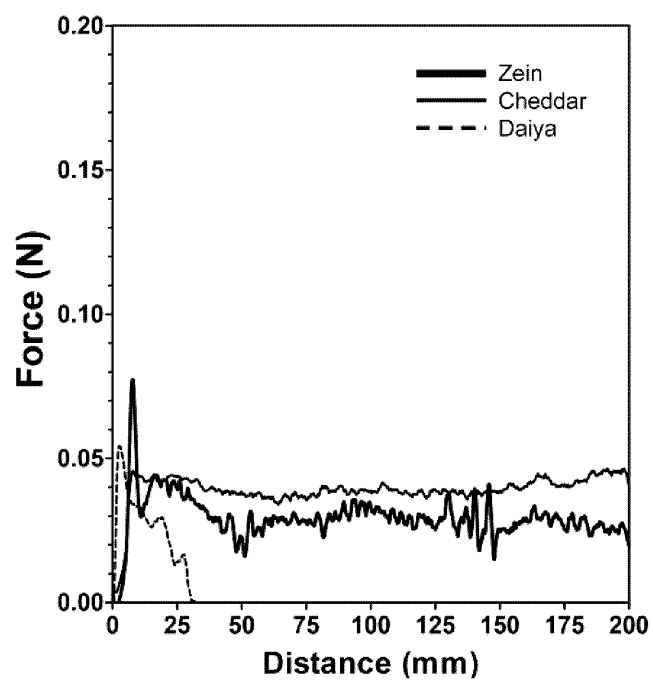


Figure 18

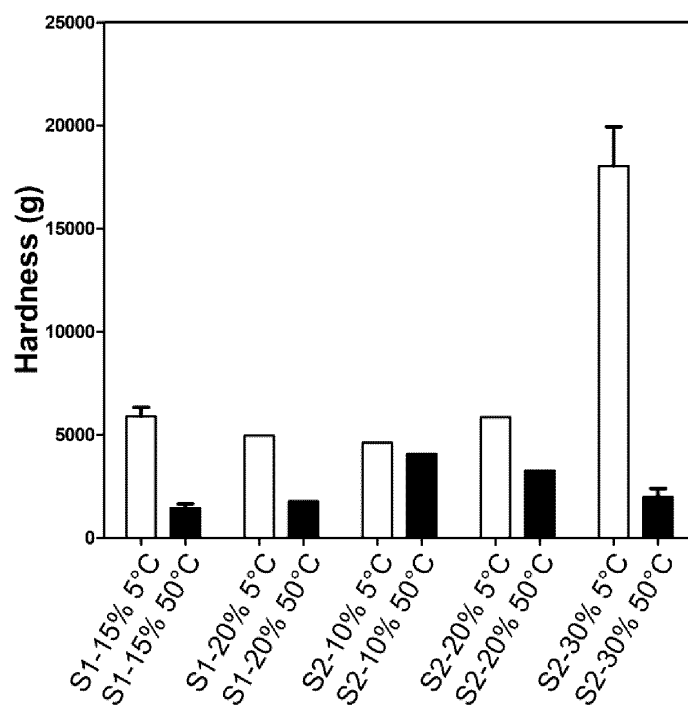


Figure 19

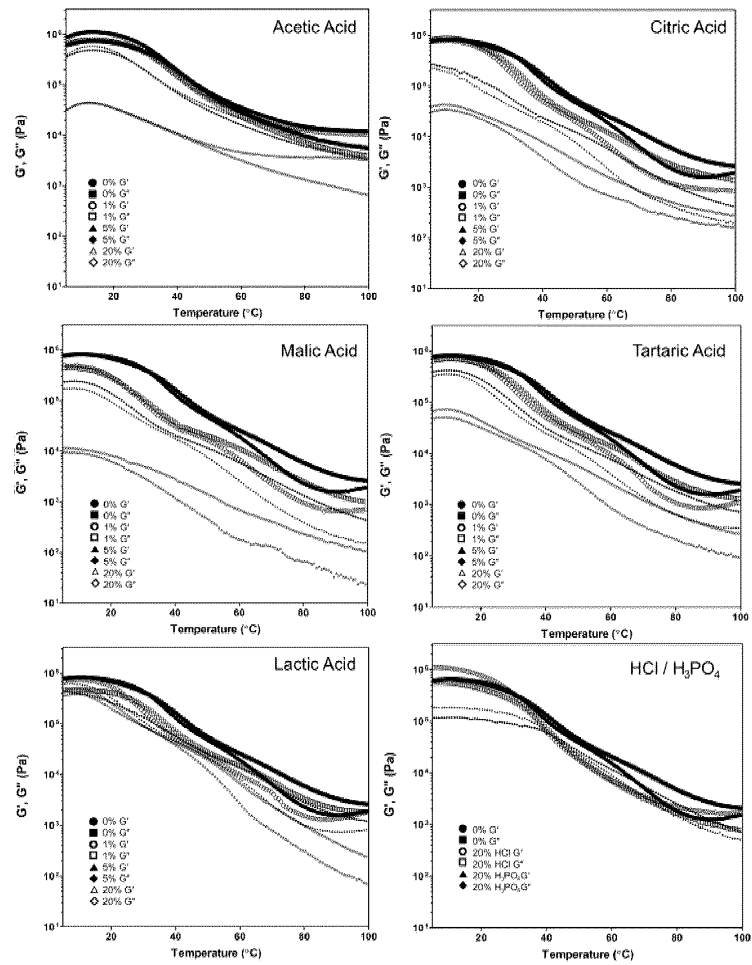


Figure 20

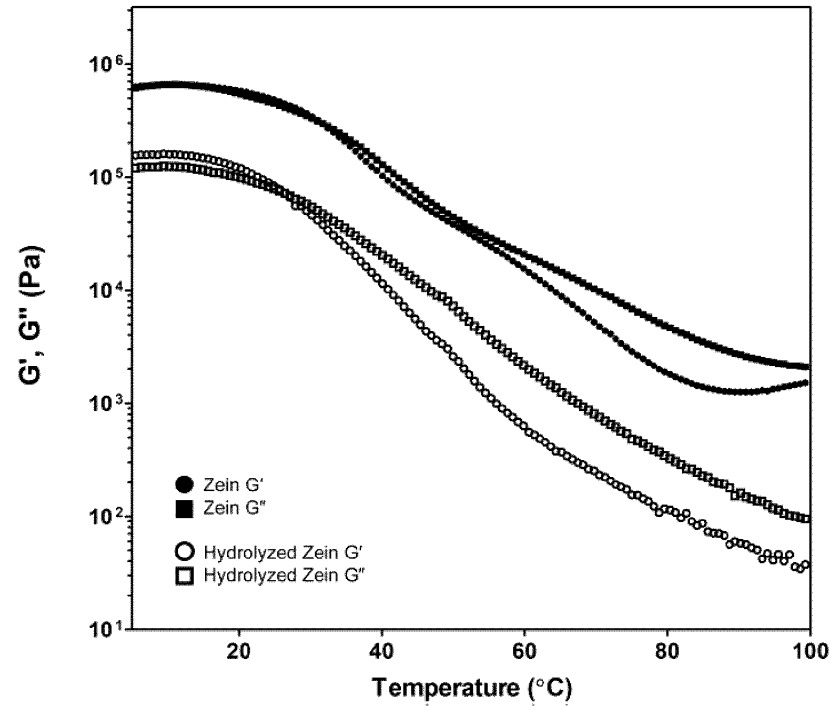


Figure 21

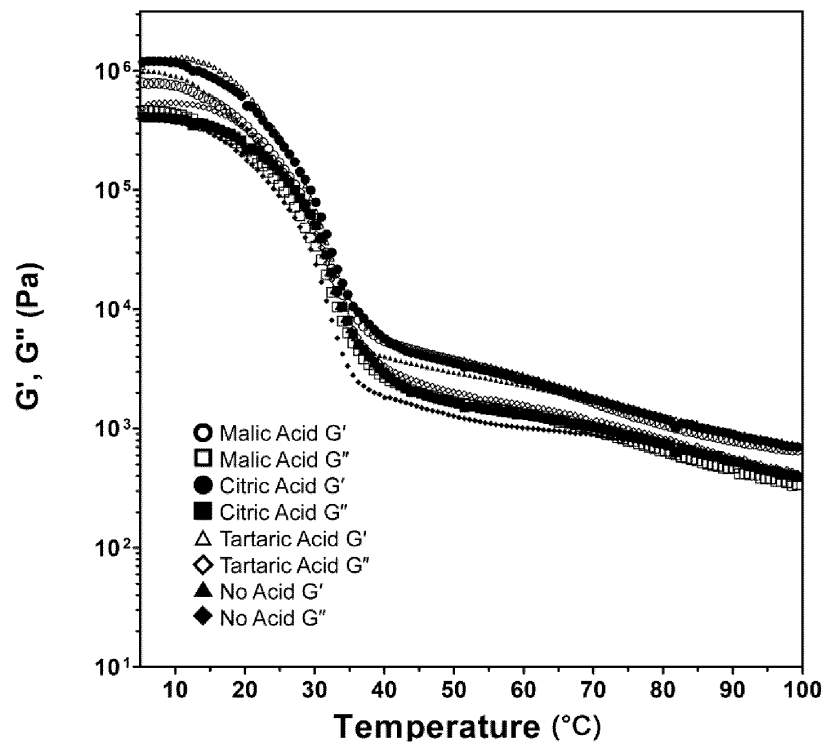


Figure 22

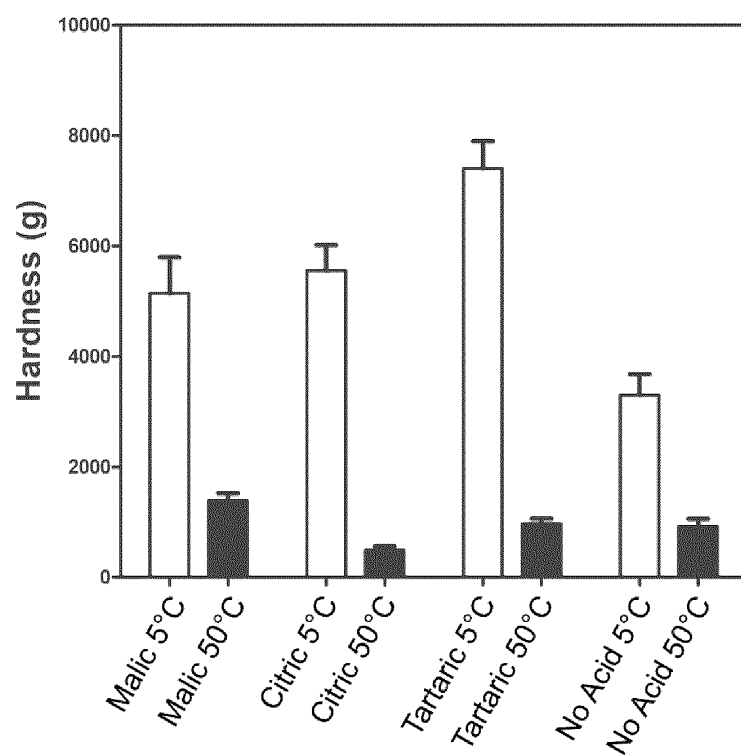


Figure 23

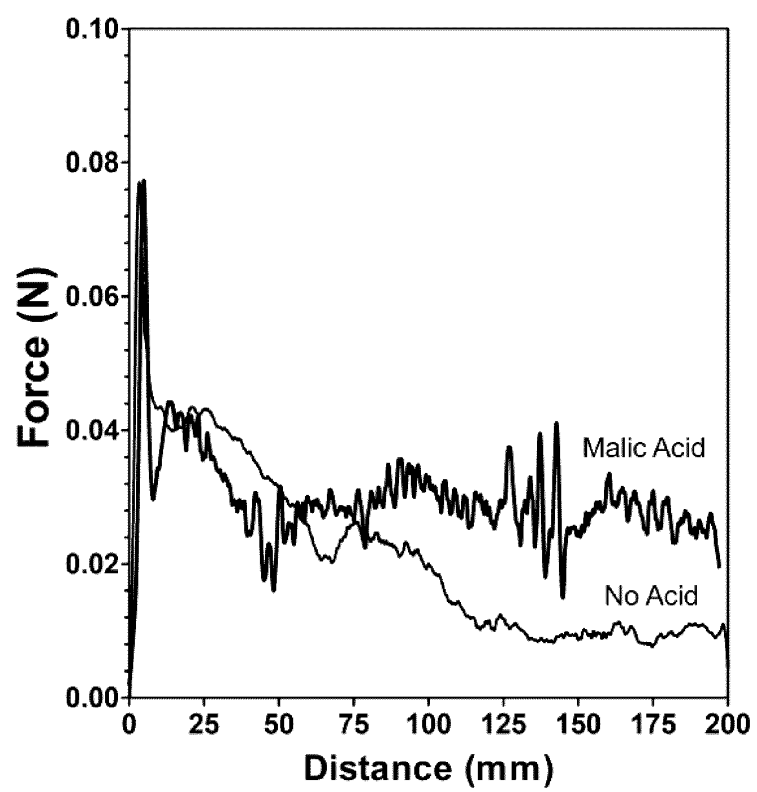


Figure 24

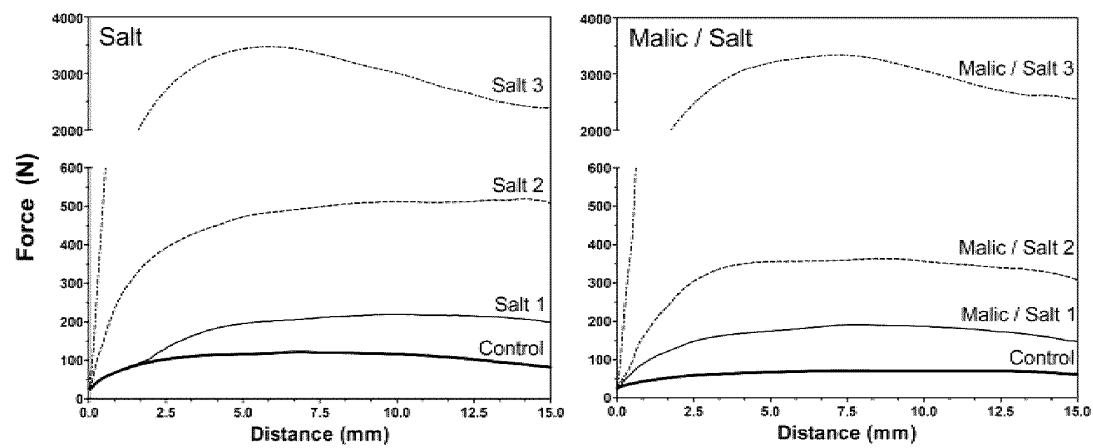


Figure 25

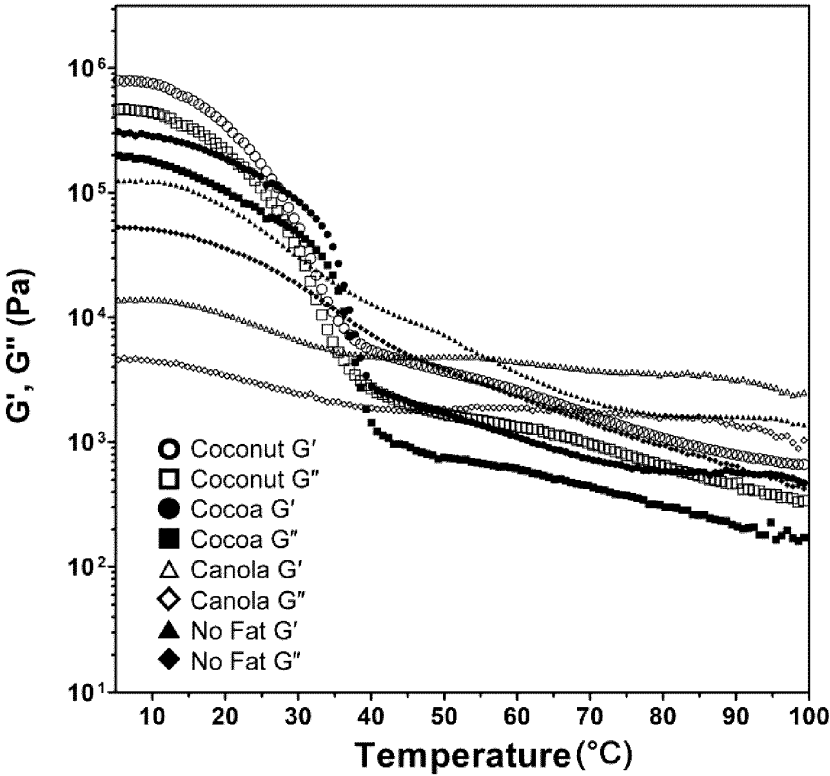


Figure 26

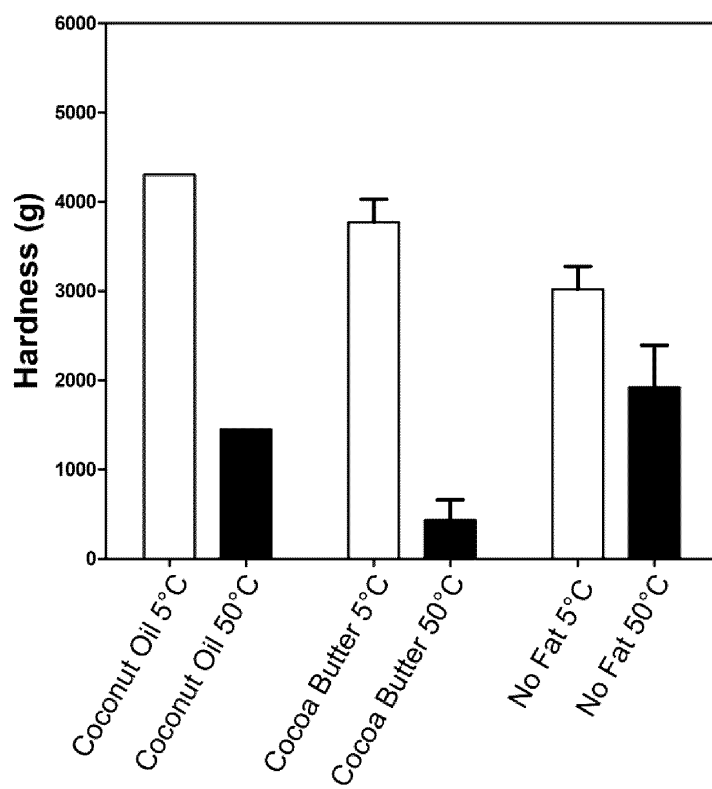


Figure 27

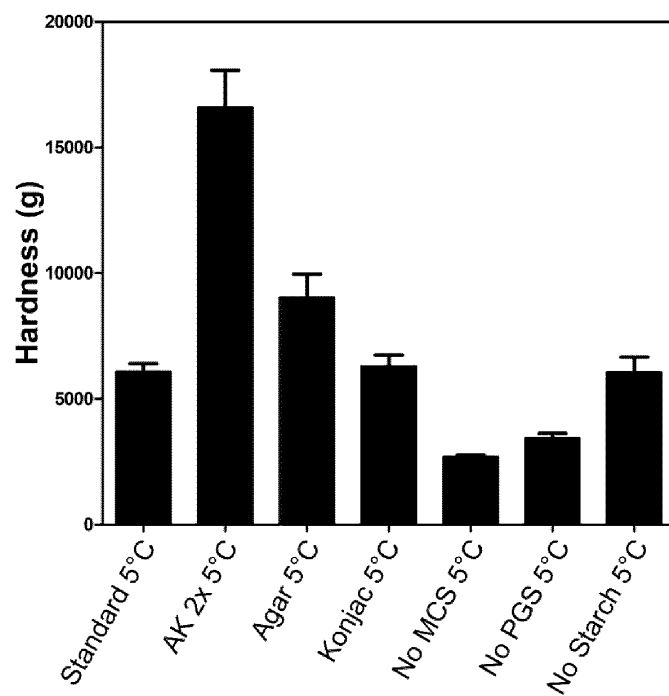
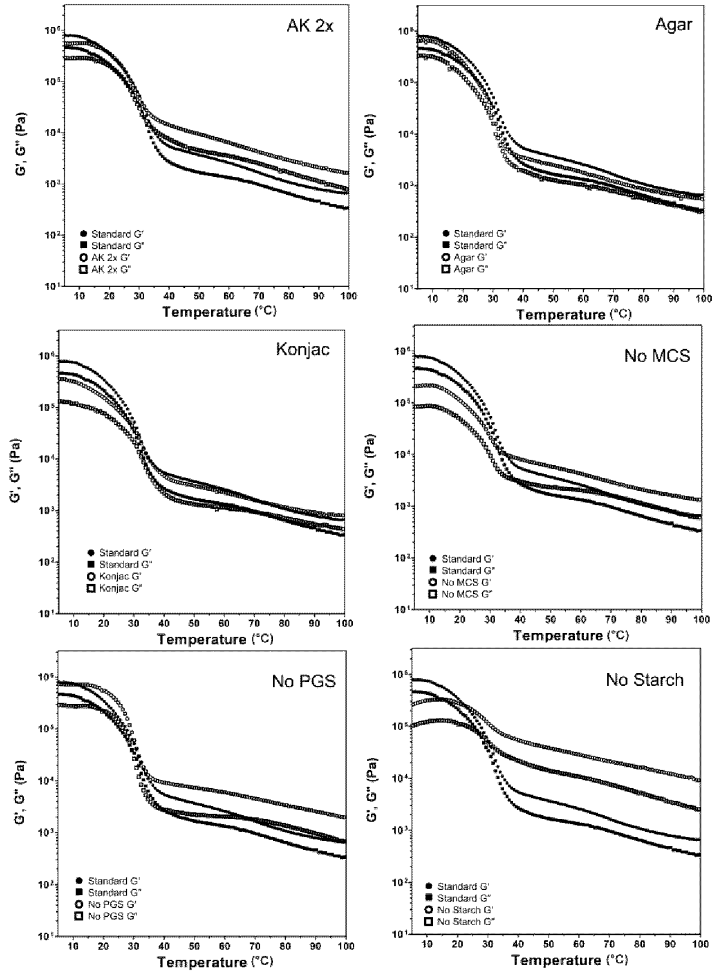


Figure 28



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Figure 29

