

	White WE (pentosans)	White Total (pentosans)	White Total AX (fingerprinting)	White WE (relative viscosity)	Wholemeal WE (pentosans)	Wholemeal Total (pentosans)	Wholemeal Total AX (fingerprinting)
White Total (pentosans)	0.62						
White Total AX (fingerprinting)	0.65	0.67					
White WE (relative viscosity)	0.62	0.52	0.75				
Wholemeal WE (pentosans)	0.96	0.52	0.59	0.5			
Wholemeal Total (pentosans)	0.18	0.23	-0.24	-0.25	0.22		
Wholemeal Total AX (fingerprinting)	0.81	0.76	0.83	0.63	0.74	0.05	
Wholemeal WE (relative viscosity)	0.77	0.38	0.55	0.84	0.7	-0.03	0.63

S3 Figure. Correlation Matrix of 10 lines from the Yumai x Ukrainka population grown at Rothamsted Research in 2013-2014.

Relative viscosity, water extractable (WE) and total AX measured colorometrically (pentosan assay), and total AX by enzyme fingerprinting in wholemeal and white flour..