Supplementary Table 4. Significant Pearson's correlation coefficients between chemical characteristics and between chemical and agronomic characteristics per environment for durum wheat

	PA	P_i	P_p/P_i	YP	WSPH	PSH
YLD	−0.535*(PS12)					
TGW				−0.614*(RS12), −0.666**(ZP12)		0.527*(RS12)
PH	−0.662**(ZP12)				0.523*(PS12)	0.729**(RS12)
SL			–0.585*(PS12)	0.608*(PS11)		
GW				−0.691**(RS12), −0.537*(ZP11)		0.545*(RS11), 0.551*(RS12)
GT				−0.550*(PS11), −0.782**(PS12)		
PA					−0.522*(ZP12),−0.566*(ZP11)	
P_p/P_i		−0.930**(RS11), −0.851**(RS12),−0.943**(ZP11), −0.809**(ZP12),−0.893**(PS11), −0.893**(PS12)				0.520*(RS11)
YP					0.625*(PS11)	0.565*(PS11), 0.635*(PS12)
PSH					0.554*(PS11)	

YLD = grain yield; TGW = thousand grain weight; PH = plant height; SL = spike length; GW = grain width; GT = grain thickness; PA = phytic acid; P_i = inorganic phosphorus; P_p/P_i = phytic phosphorus/inorganic phosphorus; YP = yellow pigment; WSPH = water soluble phenolics; PSH = free protein sulfhydryl groups; RS = Rimski Šančevi; ZP = Zemun Polje; PS = Padinska Skela; 11 = 2010–2011 vegetation season; 12 = 2011–2012 vegetation season; * = significant at $p < 0.05$; ** = significant at $p < 0.01$