

Supplementary Table 1. Names, codes, origin, growth type and pedigree of bread wheat (*Triticum aestivum* L. ssp. *aestivum*) and durum wheat (*Triticum durum* Desf.) genotypes

Genotype	Code	Origin	Species	Growth type	Pedigree
Žitarka	P1	Croatia	bread wheat	winter*	OSK-6-30-20/SLAVONKA/3/EPHRAT-M-68/OSK-154-19//KAVKAZ
Stephens	P2	USA	bread wheat	winter*	NORD-DESPREZ//CI-13438/PULLMAN-101
Renan	P3	France	bread wheat	winter*	MIRONOVSKAYA-808/MARIS-HUNTSMAN//VPM-1/MOISSON/3/COURTOT; MIRONOVSKAYA-808/MARIS-HUNTSMAN/3/VPM-1/MOISSON//COURTOT; MIRONOVSKAYA-808/MARIS-HUNTSMAN/3/VPM-1/MOISSON//9*COURTOT
Caldwell	P4	USA	bread wheat	winter*	PD-5724-B-3-5-P-8-2*2//SIETE-CERROS-66
Abe	P5	USA	bread wheat	winter*	ARTHUR*4/3/PD-6028-A-2-15-9-2//RILEY*2/RILEY-67
Auburn	P6	USA	bread wheat	winter*	SIETE-CERROS-66/ARTHUR//PD-6850/6/AFGHANISTAN(S)/PD-5374/4/KNOX*2// FRONTANA/EXCHANGE/3(SIB)RILEY/5/ARTHUR*5//ARTHUR(SIB)/AGATHA/3/PD- 6729
Frankenmuth	P7	USA	bread wheat	winter*	NORIN-10/BREVOR(SELECTION-14)//YORKWIN/3/2*GENESE(A-3141)/4/(A-5115) GENESE*3/REDCOAT
Apache	P8	France	bread wheat	winter*	AXIAL//NRPB-84-4233
ZP AU 12	P9	Macedonia	bread wheat	winter**	(L40*PROTEINKA)//OROVANKA
Marija	P10	Croatia	bread wheat	winter*	ZG-4527-68/KAVKAZ//ZG-1971-70
ZP 87/lp	P11	Serbia	bread wheat	winter**	L-99//POBEDA
Tecumseh	P12	USA	bread wheat	winter*	MINHARDI/WABASH/5/FULTZ(S)/HUNGARIAN//W-38/3/WABASH/4/FAIRFIELD/6/ REDCOAT(SIB)//CI-12633/WISCONSIN-245/7/PD-427-A-1-1-3*3/KENYA-FARMER
Pobeda	P13	Serbia	bread wheat	winter*	SREMICA//BALKAN
Zemunska rosa	P14	Serbia	bread wheat	winter*	SKOPLJANKA//PROTEINKA
Ludwig	P15	Austria	bread wheat	winter*	ARES//FARMER
37ED. 7922	D1	Mexico (CIMMYT)	durum wheat	facultative**	ALTAR84/STINT//SILVER_45/3/POHO_1/4/GREEN_14//YAV_10/AUK
37ED. 7896	D2	Mexico (CIMMYT)	durum wheat	facultative**	AINZEN_1/3/SRN_3/AJAJIA_15//DON87/4/MINIMUS/COMB DUCK_2//CHAM_3
37ED. 7817	D3	Mexico (CIMMYT)	durum wheat	facultative**	SNITAN/3/STOT//ALTAR84/ALD
Varano	D4	Italy	durum wheat	winter*	CAPEITI-8/CRESO//CRESO/3/VALFORTE(VALF)/TRINAKRIA

Supplementary Table 1 continue

37ED. 7821	D5	Mexico (CIMMYT)	durum wheat	facultative**	AINZEN-1//PLATA_6/GREEN_17
37ED. 7880	D6	Mexico (CIMMYT)	durum wheat	facultative**	ALTAR 84/STINT//SILVER_45/3/LLARETA INIA/4/
ZP 10/I	D7	Serbia	durum wheat	winter**	WINDUR//RODUR
SOD 55	D8	Slovakia	durum wheat	winter*	KORALL ODESSKI//GK PANNONDUR
37ED./07 7803	D9	Mexico (CIMMYT)	durum wheat	facultative**	RASCON_37/2*TARRO_2/4/ROK/FGO//STIL/3/BISU_1/5/MALMUK_1/SERRATOR_1
DSP 66	D10	Sirya (ICARDA)	durum wheat	facultative**	848.10.6/OTB2//GDR1
ZP 34/I	D11	Serbia	durum wheat	winter**	SOD 55//KORIFLA
37ED. 7820	D12	Mexico (CIMMYT)	durum wheat	facultative**	AINZEN-1/3/MINIMUS_6/PLATA_16//IMMER
37ED./07 7857	D13	Mexico (CIMMYT)	durum wheat	facultative**	CBC 514 CHILE/SOMAT_4/3/HUI/YAV79//DON87
37ED./07 7849	D14	Mexico (CIMMYT)	durum wheat	facultative**	CBC 505 CHILE/LLARETA INIA/3/D86135/ACO89//PORRON_4
ZP 120/I	D15	Serbia	durum wheat	winter**	WINDUR//KAVADARKA

* = cultivar; ** = line; USA = United States of America; CIMMYT = International Maize and Wheat Improvement Center; ICARDA = International Center for Agricultural Research in the Dry Areas; 37ED.-37EDUYT = 37th Elite Durum Unreplicated Yield Trial; DSP = DSP-MD-01-Durum Segregating Populations-Mediterranean Dryland (season 2000-2001)