

Phenotyping winter wheat for early ground cover

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Electronic Supplementary Material (ESM)

The authors are fully responsible for both the content and the formal aspects of the electronic supplementary material. No editorial adjustments were made.

Table S1. Genotypes tested in the first season (2017–2018)

No.	Genotypes	EGC (%)	VS (1–9)	GY (kg/ha)
Spring type				
1	Local check (Siyare)	60	1	4 001
2	Tekin (experimental check)	68	1	3 951
3	Kale (experimental check)	72	1	3 675
4	Dinc (experimental check)	67	1	4 005
5	WBLL1 × 2/TUKURU//BILLINGS	52	1	3 060
6	PI660106	35	1	3 402
7	TIRCHMIR1//71ST2959/CROW/3/KS 92 WGRC 24/4/WHEAR/SOKOLL	45	3	3 323
8	ESPADA/KARAHAN	42	3	2 748
9	ESPADA/KARAHAN	35	3	1 992
10	T.TAU.83.2.36/ATTLA//TAM200/KAUZ/3/F130-L-1-12 × 2/MILAN	39	3	2 220
11	WBLL 1 × 2/KUKUN/3/KS89180B-2-1-1/CMSW89Y267 (TAM 200/PRL)//X921025-A-3-2/4/KAUZ/STAR//U1254-1-5-1-1/TX89V4213 (OCW00S063S-2-4,12)	52	3	3 150
12	KIRITATI/WBLL1/3/JI5418/HATUSHA//KS90175/4/KS94U275//PI137739/3 × OVL	42	3	1 260
13	WEEBILL1(B)/KS980512	42	3	2 220
14	PI660108	45	3	2 418
15	PI660112	41	3	2 232
	Mean	49		2 910
Facultative type				
1	BAYRAKTAR 2000	41	5	2 688
2	8023.16.1.1/KAUZ//KATIA1/3/KATIA1	32	5	3 121
3	ORACLE/PEHLIVAN/4/ARLAN/TX89V4213//ITD/3/CTY/KAUZ/ /KVZ/HER/5/ORATORIO/KATIA1	28	5	1 860
4	KIRITATI/4/SERI.1B × 2/3/KAUZ/5/ × 2/BOW//KAUZDENTIX-4/6/AGRI/BJY/ /VEE/3/AKULA/4/F10S-1	29	5	2 956

Table S1 to be continued

No.	Genotypes	EGC (%)	VS (1–9)	GY (kg/ha)
5	AGRI/NAC//ATTILA/3/ATAY/GALVEZ87//SHARK-1/4/MAHON DEMIAS/3/HIM/CNDR//CA8055	33	5	2 364
6	PYN/BAU/3/CHEN/AEGILOPS SQUARROSA (TAUS)//BCN/4/AKULA/5/T 98-9//VORONA/HD2402/6/F10S-1//STOZHER/KARL	25	5	2 040
7	GLADIUS/SONMEZ	23	5	2 825
8	ID800994.W//KAUZ//ROLLER/4/WN158/NSD//4105W/3/TAM200/5/PONY/OPATA//PSN/BOW/6/PANTHEON/BLUEGIL-2	33	5	2 220
9	CROC_1/AE.SQUARROSA (224)//OPATA/3/SOKOLL/3/ALTAY 2000	27	5	2 940
10	TNMU//PSN/DOVE/3/F10S-1//ATAY/GALVEZ87	32	5	3 298
11	F577U1-101/F92574G1-1//BILINMIYEN96.55/3/SPN/NAC//ATTILA	38	5	3 048
12	SOYER/BONITO-36	38	5	3 030
13	KRISTAL/4/BABAX/LR42//BABAX × 2/3/TUKURU/5/NALIM-3	33	5	3 258
14	DRAGANA/3/YE2453//PPBB68/CHRC	31	5	3 222
15	ORACLE/PEHLIVAN/4/ARLAN/TX89V4213//ITD/3/CTY/KAUZ//KVZ/HER/5/ORATORIO/KATIA1	33	5	2 016
16	AKULA/BONITO//F10S-1/7/AGRI/NAC//MLT/5/GOV/AZ//MUS/3/DODO/4/BOW/6/VORONA/TR810200/8/MAHON DEMIAS/3/HIM/CNDR//CA8055	24	5	2 448
17	AKULA/BONITO//F10S-1/7/AGRI/NAC//MLT/5/GOV/AZ//MUS/3/DODO/4/BOW/6/VORONA/TR810200/8/MAHON DEMIAS/3/HIM/CNDR//CA8055	28	5	2 958
18	6R(6D)CRE R-NOT EFFECTIVE IN TURKEY/3/YE2453//PPBB68/CHRC/5/BUL EVRE-DIKA/STOZHER/4/TAST/SPRW//CA8055/3/CSM	41	5	2 706
19	ESPADA/KARAHAN	27	5	1 236
20	WHEAR//INQALAB 91 × 2/TUKURU/3/PYN/BAU//ATTILA	38	5	2 478
21	WHEAR//INQALAB 91 × 2/TUKURU/3/PYN/BAU//ATTILA	42	5	3 298
22	WHEAR//INQALAB 91 × 2/TUKURU/3/PYN/BAU//ATTILA	34	5	2 220
23	PIOPIO/ATTILA/4/YMH/TOB//MCD/3/LIRA/5/AGRI/BJY//VEE/3/BUL6687.12/4/F6038W12.1/6/MACE	35	5	2 100
24	T.TAU.83.2.36/ATTILA//TAM200/KAUZ/3/F130-L-1-12 × 2/MILAN	30	5	2 772
25	U1254.1.5.1.1/TX89V4213/5/CNO79//PF70354/MUS/3/PASTOR/4/BABAX/6/6022W1/3/RMN//F12.71/JUP	24	5	2 484
26	PBW343/HUITES/4/YAR/AE.SQ.(783)//MILAN/3/BAV92/5/MASON/OGALLALA-vr/BETTY/6/KS950412-F-4/TX96V2427	31	5	2 220
27	WAXWING × 2/KUKUNA//OK93P634/OLA (OK03230)/3/OK99504/OK99711 (OK07221)	42	5	2 778
28	WBLL1 × 2/BRAMBLING//BOLYARKA/3/G982158/KARL92	45	5	3 126
29	SUNCO.6//TNMU/TUI/3/TX91D6991/B1551/4/GREER 'S'	50	5	3 210
30	KINGBIRD/GREER 'S'	38	5	1 206
31	SONMEZ	31	7	1 980
32	KINGBIRD/BILINMIYEN96.7	31	7	2 825
33	DANPHE #1/6/CA8055/4/ROMTAST/BON/3/DIBO//SU92/CI13645/5/AGRI/BJY//VEES	32	7	3 036
34	YUMAI13/6/CA8055/4/ROMTAST/BON/3/DIBO//SU92/CI13645/5/AGRI/BJY//VEES	28	7	3 180
35	T.TAU.83.2.36/ATTILA//TAM200/KAUZ/3/F130-L-1-12 × 2/MILAN	17	7	1 980
36	F0240G3-3/7/AGRI/NAC//MLT/5/GOV/AZ//MUS/3/DODO/4/BOW/6/VORONA/TR810200/8/MOTAH/BOUHOUTH6	23	7	2 280
37	HYS/YY//63-112-66-4/3/OR87065,H-281/4/FRENCH LINE E81FR/5/8229/OK81306	18	7	2 130

<https://doi.org/10.17221/91/2021-CJGPB>

Table S1 to be continued

No.	Genotypes	EGC (%)	VS (1–9)	GY (kg/ha)
38	CROC_1/AE.SQUARROSA (205)//KAUZ/3/LUFER/4/KS97P0630-4-5/CM95560//X920879-C15-1/3/X84W063-9-18/U1324-25-1-4-/5/KS82142/PASTOR	24	7	2 688
39	IZGI/5/SABALAN/MIRLEBEN/4/NWT/3/TAST/SPRW//TAW12399.75/6/CA8055/4/ROMTAST/BON/3/DIBO//SU92/CI13645/5/AGRI/BJY//VEES	28	7	2 280
40	PFAU/MILAN//FUNG MAI 24/3/TAM200/KAUZ	32	7	2 135
41	PFAU/MILAN//FUNG MAI 24/3/KARAHAN	22	7	2 591
42	YUBILEINAYA75/3/AGRI/BJY//VEE/4/PYN/BAU	21	7	2 261
43	Nacibey	38	7	3 114
44	TJB368.251/BUC//WEAVER/3/SIERRA/WI88-052/4/KUPAVA	31	7	2 095
45	TJB368.251/BUC//WEAVER/3/SIERRA/WI88-052/4/KUPAVA	23	7	2 685
46	WHEAR//INQALAB 91 × 2/TUKURU/3/PYN/BAU//ATTILA	27	7	3 090
47	WHEAR//INQALAB 91 × 2/TUKURU/3/PYN/BAU//ATTILA	31	7	2 167
48	WHEAR//INQALAB 91 × 2/TUKURU/3/PYN/BAU//ATTILA	33	7	3 342
49	WHEAR//INQALAB 91 × 2/TUKURU/3/PYN/BAU//ATTILA	24	7	2 460
50	WHEAR//INQALAB 91 × 2/TUKURU/3/PYN/BAU//ATTILA	23	7	1 459
51	WHEAR//INQALAB 91 × 2/TUKURU/3/PYN/BAU//ATTILA	32	7	1 896
52	MUFITBEY/BILINMIYEN96.7	24	7	3 258
53	TAM302/AKRON//HALT/3/ZAGADKA/4/DEMIR	27	7	2 442
54	QUAIU//KRASNODAR/FRTL	32	7	1 998
55	494J6.11//TRAP#1/BOW/6/SERI.1B × 2/3/KAUZ × 2/BOW//KAUZ/4/PBW343 × 2/KUKUNA/5/WHEAR	21	7	1 950
56	DALNITSKAYA/MV18-2000/4/TAST/SPRW//ZAR/3/ATAY/GALVEZ87	27	7	780
57	DALNITSKAYA/MV18-2000/4/TAST/SPRW//ZAR/3/ATAY/GALVEZ87	28	7	1 050
58	TJB368.251/BUC//WEAVER/3/SIERRA/WI88-052/4/KUPAVA	23	7	1 500
59	ESPADA/KARAHAN	35	7	2 472
60	ESPADA/KARAHAN	27	7	1 620
61	KINGBIRD'S//AP01T2421/BCG99-156/3/OVL × 3/AMAD	31	7	1 836
62	D67.2/P66.270//AE.SQ.(320)/3/CUNNINGHAM/4/U1254-4-4-7-2/DONG XIE4/3/VO-RONA//PRL/VEE#6 (OCW00M604S-1)/5/TX91D6991/B1551	17	7	1 140
63	PBW343/HUITES/4/YAR/AE.SQ.(783)//MILAN/3/BAV92/5/MASON/OGALLALA-vr/BETTY/6/KS950412-F-4/TX96V2427	27	7	3 150
64	BABAX/LR42//BABAX × 2/3/KURUKU/5/CHUEN-MAI-18/2137//2174/4/CTY × 3/TA2460//2163/3/CRR (OK98610) (OCW00M797T-1)/6/AP01T2421/BCG99-156	13	7	780
65	TEMPORALERA M 87 × 2/KONK/3/K92/PL2580//KS89180B/4/KS950412-F-4/TX96V2427	32	7	2 160
66	SUNCO/2 × PASTOR//TX91D6913/B1551W/3/DUSTER/OK99711 (OK07214)	35	7	1 836
67	NE12589	22	7	990
	Mean	30		2 370
Winter type				
1	GEREK79	18	9	2 466
2	KARAHAN	20	9	2 100
3	MUFITBEY	28	9	2 052
4	I. TIJERETA/KS82142//KS96WGRC39/JAGGER/3/KNIISH46	18	9	2 568
5	THELIN/2 × WBL1/3/AGRI/NAC//ATTILA/4/TILEK	22	9	1 850
6	OD.KRASNOK/DOR//ORACLE/PEHLIVAN/4/KAUZ//ALTAR 84/AOS/3/F10S-1	13	9	1 080

Table S1 to be continued

No.	Genotypes	EGC (%)	VS (1–9)	GY (kg/ha)
7	CMH74A.630/SX//CNO79/3/IRENA/4/SELYANKA/5/KS82142/PASTOR	31	9	2 296
8	ESKINA-6//2 × GUN91/MNCH	27	9	2 545
9	DALNITSKAYA/BILINMIYEN96.55//NALIM-3	23	9	1 859
10	SOYER/BONITO-36	23	9	2 220
11	CUPRA-1/3/CROC1/AE.SQUARROSA (224)//2 × OPATA/4/PANTHEON/5/UN-49	17	9	2 400
12	191TR1-1221F/BUCUR//ECOU/3/ZUBKOV /4/RSH2 × /10120//ZAGROS	13	9	3 138
13	SUBEN-7/6/TAST/SPRW//ZAR/5/YUANDONG 3/4/PPB8-68/CHRC/3/PYN//TAM101/ AMIGO/6/OBRII/DNESTREANCA25//ILICIOVCA/OD.CRASNOCOLOS	22	9	2 594
14	TJB368.251/BUC//WEAVER/3/SIERRA/WI88-052/4/KUPAVA	27	9	2 156
15	ESPADA/KARAHAN	30	9	2 113
16	ZCL/3/PGFN//CNO67/SN64/4/SERI/5/UA.2837/6/ATTILA/3 × BCN/7/ZARGANA-6	17	9	1 298
17	BLUEGIL-2//TAM200/KAUZ/6/PEHLIVAN/5/JUP/4/CLLF/3/II14.53/ODIN/ /CI13431/WA00477/7/NALIM-3	22	9	1 278
18	ESKINA-6//2 × GUN91/MNCH	27	9	2 280
19	SULTAN95/ATILLA//ZARGANA-6	29	9	2 292
20	TJB368.251/BUC//WEAVER/3/SIERRA/WI88-052/4/KUPAVA	16	9	1 218
21	karahan	31	9	1 856
22	MON/IMU//ALD/PVN/3/BORL95/4/OASIS/2 × BORL95/5/KS920946-B-16-1-1/OVL	24	9	1 758
23	BROADVIEW	21	9	1 476
24	FLOURISH	31	9	1 959
25	KS11WGGRC54-O	20	9	1 080
26	NE10507	28	9	2 676
27	NE12429	14	9	1 254
28	MOSKOVSKAYA 56	22	9	1 259
29	BAGRAT	21	9	1 500
30	STAN	18	9	1 193
31	URUP	19	9	1 596
	Mean	22		1 916

EGC – early ground cover; VS – visual scores; GY – grain yield

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Table S2. Genotypes tested in the second season (2019–2020)

No.	Genotypes	EGC (%)	VS (1–9)	GY (kg/ha)
Spring type				
1	Tekin (experimental check)	78	1	4 320
2	55.1744/7C//SU/RDL/3/CROW/4/VS73.600/MRL/3/BOW//YR/TRF/5/BLOYKA /6/ZARGANA-3	70	1	3 743
3	55.1744/7C//SU/RDL/3/CROW/4/VS73.600/MRL/3/BOW//YR/TRF/5/BLOYKA /6/ZARGANA-3	65	1	2 833
4	Kale (experimental check)	75	1	4 289
5	55.1744/7C//SU/RDL/3/CROW/4/VS73.600/MRL/3/BOW//YR/TRF/5/BLOYKA /6/ZARGANA-3	69	1	3 569
6	Dinc (experimental check)	80	1	4 503
7	F10S-1//STOZHER/KARL/4/BABAX/LR42//BABAX × 2/3/VIVITSI/5/F10S-1//STOZHER/KARL	60	1	3 334
8	F10S-1//STOZHER/KARL/4/BABAX/LR42//BABAX × 2/3/VIVITSI/5/F10S-1//STOZHER/KARL	55	1	3 316
9	DANPHE #1/6/CA8055/4/ROMTAST/BON/3/DIBO//SU92/CI13645/5/AGRI/BJY//VEES	69	1	3 217
10	DANPHE #1/6/CA8055/4/ROMTAST/BON/3/DIBO//SU92/CI13645/5/AGRI/BJY//VEES	74	1	3 364
11	CUPRA-1/3/CROC1/AE.SQUARROSA (224)//2 × OPATA/4/PANTHEON/5/UN-49	76	1	4 450
12	ZNAKHIDKA/EKIZ	61	1	3 359
13	KUPAVA/7/AU/3/MINN//HK/38MA/4/YMH/ERA/5/PMF//CNO/GLL/6/KAUZ//ALTAR 84/AOS/8/DEMIR	79	1	3 531
14	MERCATO/5/CHEN/AE.SQ//2 × OPATA/3/BAV92/4/JARU/6/DEMIR 2000/7/CUPRA-1/3/CROC1/AE.SQUARROSA (224)//2 × OPATA/4/PANTHEON	70	1	3 385
15	WBLL1 × 2/TUKURU//BILLINGS	75	1	3 930
16	WBLL1 × 2/KURUKU/5/CHUEN-MAI-18/2137//2174/4/CTY × 3/TA2460//2163/3/CRR (OK98610) (OCW00M797T-2)/6/TX91D6991/B1551	79	1	3 966
17	WBLL1 × 2/KURUKU/5/CHUEN-MAI-18/2137//2174/4/CTY × 3/TA2460//2163/3/CRR (OK98610) (OCW00M797T-2)/6/TX91D6991/B1551	71	1	3 156
18	PVN//CAR422/ANA/5/BOW/CROW//BUC/PVN/3/YR/4/TRAP#1/6/OK82282//BOW/NKT/3/F4105/4/KS97P0630-4-5/7/BILLINGS	75	1	3 088
19	JUP/4/CLLF/3/II14-53/ODIN//CI134431/SEL6425/WA00477 × 2/5/CROC-1/AE.SQUARROSA (213)//PGO/6/GUN91/MNCH	59	1	3 526
20	TX71A983.4/TX69D4812//PYN/3/VPM/MOS83.11.4.8//PEW/4/TAM200/KAUZ	78	1	2 979
21	KAZAKHSTANSKAYA RANNESPELAYA	79	1	3 747
22	KRAIEVYD	82	1	3 485
23	LOCAL CHECK (Siyare)	75	3	3 707
24	SAULESKU #44/TR810200//QUAIU	39	3	3 053
25	CROC_1/AE.SQUARROSA (205)//KAUZ/3/LUFER/4/KS97P0630-4-5/CM95560//X920879-C15-1/3/X84W063-9-18/U1324-25-1-4-/5/KS82142/PASTOR	61	3	3 190
26	CROC_1/AE.SQUARROSA (205)//KAUZ/3/LUFER/4/KS97P0630-4-5/CM95560//X920879-C15-1/3/X84W063-9-18/U1324-25-1-4-/5/KS82142/PASTOR	69	3	3 129
27	PRL/2 × PASTOR//OVL/5/T67/JGR 'S'/K92/3/SNF/4/JGR 'S'/JGR 'S'/HBC059E	58	3	3 011
28	WEAVER/OCI//BORL95/4/CROC1/AE.SQ (224)//OPATA/3/U1254-1-5-1-1/TX89V4213 (OCW00S160S-1B)/5/ART	69	3	3 128
29	94.43591/CHOIX//BOKA	50	3	3 076
30	GRISSET-9/5/VRZ/3/ORF1.148/TDL//BLO/4/PONY/OPATA	69	3	3 415
	Mean	69		3 493

Table S2 to be continued

No.	Genotypes	EGC (%)	VS (1–9)	GY (kg/ha)
Facultative type				
1	BAYRAKTAR 2000	55	5	3 093
2	N87V107/BETTY/4/ID800994W/VEE//F900K/3/PONY/OPATA/7/ZCL/3/PGFN//CNO67/SN64/4/SERI/5/UA.2837/6/ATTILA/3 × BCN	55	5	2 743
3	AGRI/BJY//VEE/3/BUL6687.12/4/DEMIR	50	5	3 297
4	ERYTHROSPERMUM 270/ADYR	45	5	2 746
5	KROSHKA/4/VORONA//MILAN/SHA7/3/MV17	40	5	3 221
6	KROSHKA/4/VORONA//MILAN/SHA7/3/MV17	48	5	2 827
7	KROSHKA/GONDVANA	50	5	3 340
8	PATWIN YR15/L 4224 K 12	40	5	3 102
9	PATWIN YR5/5/TAM 105/3/NE70654/BBY//BOW"S"/4/CENTURY × 3/TA2450	45	5	3 479
10	ESPADA//KS82142/PASTOR	48	5	3 466
11	ESPADA//KS82142/PASTOR	42	5	2 856
12	PRL/2 × PASTOR/3/KS82W409/SPN//TAM106/TX78V3630	46	5	3 695
13	NACIBEY	62	5	3 180
14	PBW343 × 2/KUKUNA//PBW343 × 2/KUKUNA/4/AU/CO652337//2 × CA8-155/3/F474S1-1.1	64	5	3 503
15	AKULA/BONITO//F10S-1/3/F494J6.1111/BONITO/4/ATTILA//AGRI/NAC	58	5	2 937
16	VICTORYA/4/WBLL1/3/TSI/VEE#5//KAUZ/5/VORONA//MILAN/SHA7/3/MV17	46	5	3 159
17	VICTORYA/4/WBLL1/3/TSI/VEE#5//KAUZ/5/VORONA//MILAN/SHA7/3/MV17	49	5	3 348
18	CETINEL 2000//DORADE-5/CAMPION/3/VORONA/OPATA//PYN/BAU	61	5	3 526
19	VORONA/OPATA//PYN/BAU/5/AGRI/BJY//VEE/3/BUL6687.12/4/F6038W12.1/6/F10S-1//STOZHER/KARL	50	5	3 588
20	DESCONSE/3/494J6.11//TRAP#1/BOW/5/ALAMOOT/3/ALVD//ALDAN"S"/IAS58/4/ALAMOOT/GASPARD	45	5	2 928
21	BAYRAKTAR/5/GRK/KAUZ//SARDARI-HD90/4/1.27.7876/CONDOR/3/AU/CO652337//CA8055	53	5	3 269
22	BAYRAKTAR/5/GRK/KAUZ//SARDARI-HD90/4/1.27.7876/CONDOR/3/AU/CO652337//CA8055	59	5	3 597
23	KINGBIRD'S'//KUKUNA/2 × 2174 (OCW03S649T-2)/3/KAUZ/STAR//U1254-1-5-1-1/TX89V4213 (OCW00S063S-2-4,12)	58	5	2 949
24	GRISSET-9/5/VRZ/3/ORF1.148/TDL//BLO/4/PONY/OPATA	52	5	3 007
25	GASPARD/TAM 200//ALVD	59	5	3 138
26	BONITO-37/MV10-2000/3/SHI#4414/CROWS'//GKSAGVARI/CA8055	28	7	3 034
27	OBRII/DNESTREANCA25//ILICIOVCA/OD.CRASNOCOLOS/3/UN-49	52	7	3 231
28	NIKIFOR/KROSHKA	39	7	2 807
29	ERIT58-87//KS82W409/SPN/3/KRC66/SERI/5/2 × TX69A509-2//BBY2/FOX/3/PKL70/LIRA/4/YMH/TOB//MCD/3/LIRA	46	7	2 763
30	SUNCO/2 × PASTOR/3/KS89180B-2-1-1/CMSW89Y267(TAM200/PRL)//X921025-A-3-2	49	7	3 017
31	TEMPORALERA M 87 × 2/KONK/3/K92/PL2580//KS89180B/4/KS950412-F-4/TX96V2427	43	7	2 879
32	GOBUSTAN	52	7	3 597
	Mean	50		3 166
Winter type				
1	GEREK79	35	9	3 128
2	KARAHAN	32	9	3 034

<https://doi.org/10.17221/91/2021-CJGPB>

Table S2 to be continued

No.	Genotypes	EGC (%)	VS (1–9)	GY (kg/ha)
3	SONMEZ	38	9	2 748
4	MUFITBEY	39	9	2 306
5	YUBILEINAYA75/3/AGRI/BJY//VEE/4/PYN/BAU	25	9	2 728
6	BLOYKA/3/AGRI/NAC//KAUZ	29	9	2 805
7	GRISSET-9/4/AGRI/NAC//KAUZ/3/1D13.1/MLT/5/SHI#4414/CROWS”//GK SAGVARI/CA8055	27	9	2 598
8	BONITO-37/MV10-2000/3/SHI#4414/CROWS”//GKSAGVARI/CA8055	30	9	2 804
9	BONITO-37/MV10-2000/3/SHI#4414/CROWS”//GKSAGVARI/CA8055	32	9	2 713
10	CETINEL2000//DORADE-5/CAMPION	35	9	2 336
11	GLADIUS/BURBOT-4	35	9	2 610
12	D67.2/P66.270//AE.SQUARROSA (320)/3/CUNNINGHAM/4/AGRI/NAC//ATTILA	28	9	2 235
13	QUAIU//MILLENNIUM/NE93613	24	9	3 005
14	QUAIU//MILLENNIUM/NE93613	29	9	2 883
15	MINO/5/REH/HARE//2 × BCN/3/CROC_1/AE.SQUARROSA (213)//PGO/4/HUITES/6/DH01-29-33 × R	38	9	3 397
16	PBW343/HUITES/4/YAR/AE.SQUARROSA (783)//MILAN/3/BAV92/5/AU/CO652337//2 × CA8-155/3/F474S1-1.1	39	9	3 173
17	SAAR × 2//PBW343 × 2/KUKUNA/3/EKIZ	31	9	3 233
18	BITOP/MUFITBEY	40	9	3 052
19	BITOP/MUFITBEY	35	9	2 455
20	BITOP/MUFITBEY	33	9	2 773
21	PI-348645/NALIM-3	35	9	3 057
22	SHARK/F4105W2.1//BUCUR/3/K1329A/6/4TX69A509.2//BBY/FOX/3/GRK//NO64/PEX/4/CER/5/CHIL/2 × STAR	39	9	3 289
23	SUNCO/PASTOR//KRISTADORA/4/AGRI/BJY//VEE/3/BUL6687.12	21	9	2 373
24	I. TIJERETA/KS82142//KS96WGRC39/JAGGER/3/KNIISH46	19	9	3 176
25	SUBEN-7/6/TAST/SPRW//ZAR/5/YUANDONG 3/4/PPB8-68/CHRC/3/PYN//TAM101/AMIGO/6/OBRII/DNESTREANCA25//ILICIOVCA/OD.CRASNOCOLOS	29	9	2 743
26	CBRD/TNMU//MILAN/SHA7/3/AGRI/NAC//ATTILA/4/IVETA NTA-92/89-6	35	9	2 966
27	CBRD/TNMU//MILAN/SHA7/3/AGRI/NAC//ATTILA/4/IVETA NTA-92/89-6	39	9	2 845
28	MUFITBEY/4/ID#840335//PIN39/PEW/3/CHAM6/5/TAM200/KAUZ	40	9	3 199
29	BILINMIYEN96.27//ZNAKHIDKA/5/HK48/MNCH/4/BLL//F72.23/TLL/3/MNCH	29	9	2 573
30	OK02518W/RIPPER//NUDAKOTA	40	9	2 816
31	HATCHER/KS03HW12-1//NUDAKOTA	28	9	3 661
32	TX01V6008/BC97-ROM50W (NUDAKOTA)//NE01481	29	9	2 791
33	KARAHAN	29	9	2 755
34	GRISSET-9/5/VRZ/3/ORF1.148/TDL//BLO/4/PONY/OPATA	29	9	3 238
35	DUNAV/GASCOGNE	38	9	3 153
36	KAZAKHSTANSKAYA25/TR.TIMOPHEEVI-1	31	9	3 159
37	6631/TR.TIMOPHEEVI	37	9	2 623
38	6631/TR.MILITINAE	29	9	2 592
39	KALYTA	39	9	2 883
40	EVEREST/CEDAR	34	9	3 333
41	KS050255K-6/KANMARK	28	9	2 965

Table S2 to be continued

No.	Genotypes	EGC (%)	VS (1–9)	GY (kg/ha)
42	OCW03S667T-2/KS020986~1	29	9	2 897
43	STARDUST	22	9	2 430
44	MV C410-90/GKKALAKA//MVC410-90/FTM/3/RENEŠANSA	28	9	3 014
45	HV9W00-B267/NI04421//NI04427	39	9	3 075
46	OVERLAND FHB1-10	38	9	2 904
	Mean	32		2 881

EGC – early ground cover; VS – visual scores; GY – grain yield