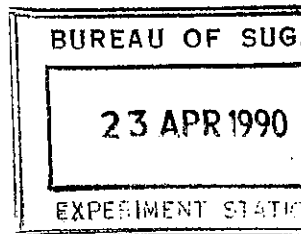


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PROJECT REPORT

Volume 5 of 7

PROJECT 409

BUNCH FAMILY SELECTION

Efficiency of bunch-planted and single-
planted seedlings for selecting
superior crosses in sugar cane

by

J.C. Skinner, N. Berding and D.M. Hogarth

1989

Table 71. Correlations between family means in trial Ts (P crop of Bs and Ss seedlings) vs trial Te (P or R crop), in order of Te types (Re, Be, Se and mean of all three)

Character in trial Te	Trial Ts, plant crop							
	BsTCHp	BsCCSp	BsTSHp	BsGYOTp	BsSLSTp	BsWSp	BsSTp	
ReTCHp	29	0.4771	0.2948	0.4957	0.5026	0.4257	0.4068	0.34
BeTCHp	29	0.4022	0.1197	0.3973	0.3829	0.0674	0.3658	0.24
SeTCHp	29	0.2312	0.1027	0.2276	0.2232	0.0208	0.1658	0.21
MeTCHp	29	0.4529	0.2040	0.4563	0.4505	0.2001	0.3864	0.32
ReTCHr	30	0.4852	0.4012	0.5220	0.5376	0.0535	0.2049	0.67
BeTCHr	30	0.2742	0.0230	0.2516	0.2331	-0.0532	0.0791	0.41
SeTCHr	30	0.4287	0.1004	0.4052	0.3807	-0.0282	0.2010	0.54
MeTCHr	30	0.4337	0.1871	0.4294	0.4188	-0.0118	0.1767	0.59
ReCCSp	31	0.3762	0.5090	0.4793	0.5159	0.3398	0.5432	-0.08
BeCCSp	31	0.0572	0.4204	0.1701	0.2145	0.1155	0.2790	-0.30
SeCCSp	31	0.1877	0.5303	0.3066	0.3594	0.2011	0.3108	-0.06
MeCCSp	31	0.2226	0.5302	0.3451	0.3937	0.2374	0.4151	-0.17
ReCCSr	32	0.0919	0.3888	0.1953	0.2351	0.2661	0.2974	-0.25
BeCCSr	32	0.0517	0.4048	0.1650	0.2111	0.1588	0.2274	-0.21
SeCCSr	32	0.3231	0.5892	0.4420	0.4922	0.4222	0.4490	-0.01
MeCCSr	32	0.1722	0.5094	0.2956	0.3459	0.3056	0.3541	-0.17
ReTSHp	33	0.5556	0.4364	0.6075	0.6260	0.4928	0.5517	0.27
BeTSHp	33	0.4027	0.2625	0.4373	0.4398	0.1029	0.4405	0.13
SeTSHp	33	0.2948	0.3174	0.3403	0.3584	0.0860	0.2739	0.19
MeTSHp	33	0.5100	0.4027	0.5621	0.5765	0.2726	0.5199	0.23
ReTSHr	34	0.5038	0.4993	0.5674	0.5932	0.1124	0.2762	0.60
BeTSHr	34	0.3029	0.1959	0.3273	0.3282	0.0069	0.1713	0.33
SeTSHr	34	0.5230	0.2968	0.5411	0.5343	0.1051	0.3478	0.51
MeTSHr	34	0.4866	0.3598	0.5247	0.5315	0.0824	0.2922	0.53
ReGYOTp	35	0.5538	0.4814	0.6214	0.6458	0.5096	0.5949	0.20
BeGYOTp	35	0.3683	0.3119	0.4218	0.4328	0.0970	0.4456	0.05
SeGYOTp	35	0.2799	0.3960	0.3496	0.3796	0.1001	0.2959	0.13
MeGYOTp	35	0.4869	0.4671	0.5615	0.5860	0.2827	0.5454	0.15
ReGYOTr	36	0.4953	0.4833	0.5616	0.5879	0.1988	0.3513	0.47
BeGYOTr	36	0.1066	0.1509	0.1475	0.1576	0.0278	0.0808	0.09
SeGYOTr	36	0.4815	0.3414	0.5190	0.5216	0.2339	0.3992	0.35
MeGYOTr	36	0.3941	0.3537	0.4470	0.4608	0.1679	0.3038	0.33
ReFIBRp	37	0.1570	-0.0411	0.1129	0.0912	-0.0063	-0.0028	0.30
BeFIBRp	37	0.1134	-0.1171	0.0499	0.0237	0.1376	-0.0519	0.28
SeFIBRp	37	0.3270	0.1216	0.3056	0.2877	0.1658	0.2003	0.34
MeFIBRp	37	0.2048	-0.0214	0.1574	0.1338	0.1056	0.0431	0.33

Table 71 continued 2/13

Character in trial	Te	Trial Ts, plant crop						
		BsTCHp	BsCCSp	BsTSHp	BsGYOTp	BsSLSTp	BsWSp	BsSTp
ReSEL7p	39	0.5500	0.0802	0.5098	0.4893	0.3368	0.4716	0.35
BeSEL7p	39	0.4274	0.0364	0.3978	0.3707	0.3547	0.4194	0.19
SeSEL7p	39	0.3052	0.3410	0.3545	0.3690	0.2771	0.3190	0.13
MeSEL7p	39	0.4958	0.1678	0.4863	0.4720	0.3795	0.4705	0.26
ReSEL7r	40	0.5528	0.5227	0.6215	0.6461	0.0386	0.3794	0.53
BeSEL7r	40	0.4747	0.5191	0.5451	0.5695	0.0871	0.2848	0.54
SeSEL7r	40	0.4870	0.3884	0.5148	0.5255	0.0654	0.2036	0.68
MeSEL7r	40	0.5543	0.5232	0.6154	0.6372	0.0698	0.3176	0.64
ReSEL8p	41	0.4748	0.0198	0.4301	0.4085	0.2495	0.4058	0.30
BeSEL8p	41	0.3936	0.0494	0.3779	0.3568	0.3263	0.4370	0.09
SeSEL8p	41	0.4746	0.3503	0.5125	0.5186	0.4312	0.5380	0.13
MeSEL8p	41	0.5363	0.1486	0.5241	0.5072	0.4038	0.5542	0.20
ReSEL8r	42	0.5554	0.5942	0.6355	0.6681	0.1285	0.4204	0.48
BeSEL8r	42	0.4769	0.5411	0.5542	0.5811	0.1220	0.3382	0.46
SeSEL8r	42	0.5157	0.4665	0.5672	0.5837	0.0207	0.2702	0.63
MeSEL8r	42	0.5733	0.5932	0.6507	0.6787	0.1001	0.3802	0.58
ReSEL10p	43	0.2771	0.1376	0.2886	0.2978	0.1623	0.2831	0.10
BeSEL10p	43	0.5829	0.1441	0.5752	0.5475	0.3352	0.6839	0.08
SeSEL10p	43	0.3541	0.0879	0.3415	0.3289	0.4164	0.4797	-0.04
MeSEL10p	43	0.5474	0.1560	0.5419	0.5241	0.3903	0.6524	0.06
ReS10r	44	0.4146	0.4800	0.4671	0.5007	0.2039	0.1830	0.57
BeS10r	44	0.5459	0.3254	0.5679	0.5634	0.1203	0.4784	0.37
SeS10r	44	0.2256	0.3725	0.3024	0.3257	-0.3351	0.0804	0.33
MeS10r	44	0.4776	0.4661	0.5379	0.5574	-0.0190	0.3065	0.50
ReWSp	45	0.1136	0.4176	0.2017	0.2391	0.0946	0.1224	0.04
BeWSp	45	0.2056	0.6304	0.3403	0.3983	-0.0380	0.2159	0.11
SeWSp	45	0.1077	0.3798	0.1938	0.2284	-0.0864	0.1139	0.05
MeWSp	45	0.1560	0.5203	0.2684	0.3158	-0.0072	0.1653	0.07
ReWSr	46	0.4162	0.7142	0.5458	0.6002	0.2677	0.3708	0.28
BeWSr	46	0.2913	0.6112	0.4212	0.4676	0.1404	0.3557	0.05
SeWSr	46	0.3685	0.3848	0.4411	0.4492	0.0360	0.4774	-0.00
MeWSr	46	0.4107	0.6487	0.5365	0.5775	0.1681	0.4597	0.12
ReSTp	47	0.3400	-0.1407	0.2688	0.2376	0.2524	0.2253	0.34
BeSTp	47	0.2629	-0.4812	0.1229	0.0483	0.1016	0.1958	0.18
SeSTp	47	0.1513	-0.3042	0.0518	0.0076	0.1187	0.0732	0.18
MeSTp	47	0.3014	-0.3653	0.1789	0.1196	0.1868	0.1993	0.28
ReSTr	48	0.2320	-0.1305	0.1643	0.1347	-0.1438	-0.0556	0.55
BeSTr	48	0.1253	-0.3691	0.0141	-0.0375	-0.1283	-0.1241	0.41
SeSTr	48	0.1819	-0.1826	0.1024	0.0700	-0.0453	-0.1350	0.56
MeSTr	48	0.1876	-0.2359	0.0980	0.0586	-0.1092	-0.1097	0.53

Table 71 continued 3/13

Character in trial	Te	Trial Ts, plant crop						
		BsTCHp	BsCCSp	BsTSHp	BsGYOTp	BsSLSTp	BsWSp	BsSTp
ReBRIXr	50	0.3556	0.7471	0.4943	0.5667	0.2421	0.3135	0.252
BeBRIXr	50	0.2846	0.6312	0.4096	0.4602	0.2432	0.3474	0.063
SeBRIXr	50	0.4447	0.6784	0.5558	0.6072	0.2583	0.3508	0.388
MeBRIXr	50	0.4077	0.7708	0.5482	0.6130	0.2805	0.3829	0.260
ReHARDp	51	0.1377	-0.1900	0.0758	0.0365	0.2212	0.1936	-0.000
BeHARDp	51	-0.0333	-0.0875	-0.0586	-0.0715	0.1522	0.0328	-0.093
SeHARDp	51	-0.0146	0.1472	0.0225	0.0277	0.1054	0.0418	-0.053
MeHARDp	51	0.0286	-0.0477	0.0105	-0.0063	0.1754	0.0948	-0.057
ReHARDr	52	-0.0911	-0.3076	-0.1617	-0.2004	-0.0152	-0.1400	0.055
BeHARDr	52	-0.0580	-0.0907	-0.0833	-0.0983	0.1430	-0.0720	0.011
SeHARDr	52	0.0807	0.1619	0.0897	0.0985	0.2666	-0.0205	0.228
MeHARDr	52	-0.0251	-0.0821	-0.0559	-0.0720	0.1491	-0.0839	0.100
RevisGp	53	0.6211	0.1381	0.5862	0.5673	0.4587	0.5455	0.402
BevisGp	53	0.4129	-0.0262	0.3775	0.3451	0.3119	0.4880	0.057
SevisGp	53	0.3920	0.2511	0.4116	0.4129	0.4059	0.4443	0.111
MevisGp	53	0.5633	0.1283	0.5404	0.5189	0.4593	0.5860	0.220
RevisGr	54	0.5415	0.5418	0.6087	0.6384	0.0842	0.3421	0.575
BevisGr	54	0.5523	0.4170	0.5910	0.5991	0.1596	0.3752	0.550
SevisGr	54	0.4748	0.4765	0.5275	0.5481	0.0323	0.2050	0.663
MevisGr	54	0.5544	0.5104	0.6110	0.6320	0.0950	0.3233	0.639
ReSTVp	55	-0.2248	-0.0982	-0.2237	-0.2176	-0.1144	-0.1372	-0.189
BeSTVp	55	0.3738	-0.2548	0.2690	0.2018	0.0013	0.2939	0.281
SeSTVp	55	0.4357	0.3058	0.4501	0.4618	0.3083	0.3024	0.413
MeSTVp	55	0.3013	-0.0449	0.2502	0.2220	0.0916	0.2402	0.259
ReSTVr	56	-0.0706	-0.5457	-0.2006	-0.2698	0.0227	-0.1348	0.072
BeSTVr	56	0.4782	-0.2522	0.3654	0.2955	0.0915	0.3710	0.352
SeSTVr	56	0.2385	0.0245	0.2021	0.1885	0.1000	-0.0227	0.536
MeSTVr	56	0.3170	-0.2941	0.2009	0.1377	0.1018	0.1092	0.460
ReBRVp	57	-0.2410	0.0848	-0.2009	-0.1729	-0.3927	-0.3119	-0.023
BeBRVp	57	0.1572	0.2493	0.2068	0.2352	-0.0933	0.0991	0.163
SeBRVp	57	0.2169	0.0559	0.2149	0.2042	0.0747	0.2351	0.074
MeBRVp	57	0.0745	0.2035	0.1199	0.1430	-0.2172	0.0175	0.112
ReBRVr	58	0.0162	0.0195	0.0183	0.0161	0.0525	0.0359	-0.022
BeBRVr	58	-0.2378	-0.1633	-0.2576	-0.2559	-0.0055	-0.1434	-0.280
SeBRVr	58	-0.5043	-0.2320	-0.4883	-0.4811	-0.3467	-0.2116	-0.694
MeBRVr	58	-0.4377	-0.2313	-0.4410	-0.4370	-0.1705	-0.1973	-0.595
ReGVARp	59	-0.3976	-0.0694	-0.3792	-0.3498	-0.2605	-0.4158	-0.164
BeGVARp	59	0.3956	0.2570	0.4283	0.4200	-0.0093	0.3529	0.222
SeGVARp	59	0.0751	0.3234	0.1538	0.1893	0.0486	0.2007	-0.140
MeGVARp	59	0.1072	0.3366	0.1873	0.2185	-0.1376	0.1331	-0.008

Table 71 continued 4/13

Character in trial Te		Trial Ts, plant crop						
		BsBRIXp	BsHARDp	BsG_Bp	BsGBp	SsTCHp	SsCCSp	SsTSP
ReTCHp	29	0.2948	0.4002	0.4636	0.4375	0.8201	0.1860	0.720
BeTCHp	29	0.1196	-0.0246	0.3315	0.3331	0.3333	-0.0458	0.230
SeTCHp	29	0.1027	0.3232	0.1362	0.1417	0.3685	0.0481	0.300
MeTCHp	29	0.2040	0.2498	0.3812	0.3740	0.5961	0.0646	0.490
ReTCHr	30	0.4012	0.3483	0.4345	0.4421	0.7232	0.2598	0.660
BeTCHr	30	0.0229	-0.1838	0.2065	0.1395	0.4215	-0.1610	0.280
SeTCHr	30	0.1002	0.0537	0.3530	0.2784	0.5178	0.0102	0.410
MeTCHr	30	0.1871	0.0729	0.3621	0.3117	0.6063	0.0342	0.490
ReCCSp	31	0.5088	-0.3638	0.4105	0.5328	0.1494	0.5217	0.330
BeCCSp	31	0.4203	-0.3220	0.0361	0.2056	-0.2567	0.3725	-0.050
SeCCSp	31	0.5303	-0.1145	0.0966	0.3045	0.0080	0.6638	0.250
MeCCSp	31	0.5301	-0.3042	0.1978	0.3789	-0.0480	0.5575	0.180
ReCCSr	32	0.3886	-0.2996	0.1468	0.2959	-0.0681	0.3971	0.110
BeCCSr	32	0.4047	-0.2665	0.1338	0.3031	-0.1759	0.4397	0.030
SeCCSr	32	0.5891	-0.0550	0.2538	0.4275	0.2620	0.5675	0.430
MeCCSr	32	0.5092	-0.2201	0.1963	0.3775	0.0063	0.5182	0.210
ReTSHp	33	0.4364	0.2071	0.5578	0.5768	0.7666	0.3472	0.750
BeTSHp	33	0.2624	-0.1219	0.3377	0.3957	0.2317	0.0896	0.200
SeTSHp	33	0.3175	0.2582	0.1812	0.2684	0.3524	0.3094	0.380
MeTSHp	33	0.4027	0.1075	0.4425	0.5065	0.5300	0.2815	0.520
ReTSHr	34	0.4993	0.2623	0.4724	0.5216	0.6840	0.3684	0.680
BeTSHr	34	0.1957	-0.2934	0.2802	0.2822	0.3565	0.0180	0.290
SeTSHr	34	0.2967	0.0251	0.4335	0.4213	0.5823	0.2045	0.540
MeTSHr	34	0.3597	-0.0030	0.4331	0.4464	0.5920	0.2146	0.550
ReGYOTp	35	0.4814	0.0841	0.5565	0.6002	0.6835	0.4024	0.710
BeGYOTp	35	0.3118	-0.2071	0.2951	0.3820	0.1519	0.1503	0.170
SeGYOTp	35	0.3960	0.1739	0.1713	0.2965	0.2942	0.4157	0.380
MeGYOTp	35	0.4671	-0.0109	0.4188	0.5173	0.4397	0.3641	0.480
ReGYOTr	36	0.4832	0.0706	0.4653	0.5412	0.5701	0.3750	0.590
BeGYOTr	36	0.1508	-0.4078	0.1419	0.1800	0.0637	0.0120	0.060
SeGYOTr	36	0.3412	-0.0670	0.4413	0.4640	0.4629	0.2420	0.460
MeGYOTr	36	0.3535	-0.1640	0.3826	0.4319	0.3950	0.2239	0.400
ReFIBRp	37	-0.0410	0.4310	0.1954	0.1168	0.3733	-0.0091	0.280
BeFIBRp	37	-0.1170	0.4120	0.1620	0.0580	0.3348	-0.1293	0.200
SeFIBRp	37	0.1217	0.4239	0.1720	0.1568	0.4212	0.1200	0.360
MeFIBRp	37	-0.0213	0.4493	0.1874	0.1140	0.3978	-0.0156	0.290
ReFIBRr	38	-0.0563	0.4211	0.1747	0.0864	0.4483	0.0111	0.340
BeFIBRr	38	-0.1411	0.5628	0.1668	0.0539	0.3535	-0.1489	0.200

Table 71 continued 5/13

Character in trial	Te	Trial Ts, plant crop						
		BsBRiXp	BsHARDp	BsG_Bp	BsGBp	SsTCHp	SsCCSp	SsTSI
ReSEL7p	39	0.0803	0.1246	0.4690	0.4051	0.5533	0.0439	0.441
BeSEL7p	39	0.0365	-0.0053	0.3785	0.3564	0.3451	-0.0152	0.251
SeSEL7p	39	0.3410	0.3838	0.4142	0.4522	0.3473	0.1150	0.311
MeSEL7p	39	0.1679	0.1790	0.4851	0.4670	0.4740	0.0495	0.381
ReSEL7r	40	0.5227	0.0544	0.5507	0.6324	0.6519	0.4462	0.691
BeSEL7r	40	0.5190	0.1219	0.4051	0.4951	0.5780	0.4977	0.641
SeSEL7r	40	0.3883	0.2702	0.3794	0.3799	0.6510	0.3267	0.621
MeSEL7r	40	0.5231	0.1634	0.4888	0.5517	0.6885	0.4646	0.711
ReSEL8p	41	0.0199	0.0849	0.4146	0.3282	0.4499	-0.0318	0.331
BeSEL8p	41	0.0494	-0.1354	0.2902	0.2976	0.1902	0.0493	0.151
SeSEL8p	41	0.3504	0.3177	0.4680	0.5095	0.4915	0.1565	0.451
MeSEL8p	41	0.1486	0.0659	0.4583	0.4439	0.4271	0.0655	0.351
ReSEL8r	42	0.5942	0.1697	0.5442	0.6211	0.7048	0.5154	0.761
BeSEL8r	42	0.5410	0.0173	0.3960	0.5102	0.4729	0.4809	0.551
SeSEL8r	42	0.4664	0.1927	0.4105	0.4330	0.6240	0.3349	0.611
MeSEL8r	42	0.5931	0.1394	0.4990	0.5784	0.6657	0.4928	0.711
ReSEL10p	43	0.1376	0.1507	0.3259	0.3061	0.3050	-0.0652	0.211
BeSEL10p	43	0.1441	-0.1370	0.4213	0.4208	0.2809	0.1333	0.261
SeSEL10p	43	0.0879	0.1815	0.3290	0.2823	0.3087	-0.0103	0.241
MeSEL10p	43	0.1560	0.0284	0.4586	0.4361	0.3632	0.0549	0.301
ReS10r	44	0.4799	0.0573	0.3868	0.4058	0.6923	0.3498	0.691
BeS10r	44	0.3254	-0.0991	0.3148	0.3473	0.5441	0.1767	0.501
SeS10r	44	0.3725	0.0066	0.1195	0.2035	0.3019	0.1289	0.281
MeS10r	44	0.4660	-0.0207	0.3219	0.3783	0.6050	0.2527	0.581
ReWSp	45	0.4177	0.2967	0.0806	0.1951	0.3687	0.3985	0.441
BeWSp	45	0.6304	0.2794	0.1182	0.2979	0.3203	0.5053	0.431
SeWSp	45	0.3798	0.3914	0.0833	0.2016	0.3793	0.2800	0.401
MeWSp	45	0.5203	0.3440	0.1023	0.2522	0.3827	0.4329	0.461
ReWSr	46	0.7144	0.4732	0.3701	0.5235	0.5813	0.6031	0.681
BeWSr	46	0.6112	0.2445	0.1247	0.2812	0.4172	0.3472	0.461
SeWSr	46	0.3848	0.2110	0.2373	0.3007	0.4105	0.1991	0.411
MeWSr	46	0.6487	0.3535	0.2803	0.4214	0.5366	0.4363	0.591
ReSTp	47	-0.1407	0.0828	0.3435	0.2168	0.3815	-0.1918	0.230
BeSTp	47	-0.4812	-0.2710	0.2646	0.0896	0.0622	-0.5201	-0.150
SeSTp	47	-0.3042	-0.0535	0.0814	-0.0450	-0.0065	-0.2423	-0.101
MeSTp	47	-0.3652	-0.0985	0.2791	0.1099	0.1789	-0.3807	-0.004
ReSTr	48	-0.1306	0.0200	0.2065	0.0891	0.3546	-0.1765	0.210
BeSTr	48	-0.3692	-0.3263	0.1526	-0.0166	0.1622	-0.3519	0.000
SeSTr	48	-0.1827	-0.0956	0.1805	0.0553	0.2380	-0.1310	0.131
MeSTr	48	-0.2360	-0.1384	0.1876	0.0448	0.2624	-0.2272	0.111

Table 71 continued 6/13

Character in trial	Te	Trial Ts, plant crop						
		BsBRIXp	BsHARDp	BsG_Bp	BsGBp	SsTCHp	SsCCSp	SsTSP
ReBRIXr	50	0.7472	0.1693	0.3733	0.5525	0.4550	0.8064	0.670
BeBRIXr	50	0.6312	0.1399	0.3316	0.4842	0.3367	0.5754	0.500
SeBRIXr	50	0.6785	0.2276	0.3120	0.4854	0.4718	0.8180	0.670
MeBRIXr	50	0.7708	0.2021	0.3813	0.5708	0.4726	0.8219	0.690
ReHARDp	51	-0.1899	0.5103	0.0195	-0.0416	0.2670	-0.1282	0.141
BeHARDp	51	-0.0873	0.5563	-0.1383	-0.1447	0.0348	-0.1239	-0.047
SeHARDp	51	0.1474	0.6517	-0.0338	0.0012	0.0807	0.0023	0.048
MeHARDp	51	-0.0475	0.6346	-0.0613	-0.0723	0.1349	-0.0933	0.049
ReHARDr	52	-0.3075	0.4963	-0.1150	-0.1684	0.1076	-0.1508	0.008
BeHARDr	52	-0.0906	0.4700	-0.0713	-0.0813	0.1297	-0.1122	0.057
SeHARDr	52	0.1621	0.6325	0.0613	0.0668	0.4240	0.0888	0.367
MeHARDr	52	-0.0820	0.5865	-0.0456	-0.0657	0.2421	-0.0643	0.158
RevisGp	53	0.1381	0.2049	0.5793	0.5038	0.6910	0.1396	0.590
BevisGp	53	-0.0261	-0.0759	0.3256	0.3013	0.2238	-0.0608	0.145
SevisGp	53	0.2511	0.2588	0.4730	0.4866	0.4470	0.0859	0.396
MevisGp	53	0.1283	0.1343	0.5354	0.4998	0.5236	0.0562	0.431
RevisGr	54	0.5418	0.2033	0.5139	0.5679	0.7615	0.4477	0.781
BevisGr	54	0.4169	0.0544	0.4528	0.5034	0.6437	0.3577	0.649
SevisGr	54	0.4765	0.3079	0.3804	0.4149	0.6780	0.3811	0.674
MevisGr	54	0.5103	0.2063	0.4761	0.5251	0.7395	0.4213	0.747
ReSTVp	55	-0.0981	0.2258	-0.2477	-0.2665	-0.1152	-0.4831	-0.257
BeSTVp	55	-0.2548	-0.0970	0.2230	0.1354	0.1325	-0.1081	0.048
SeSTVp	55	0.3058	-0.0548	0.4327	0.4229	0.3225	0.4121	0.409
MeSTVp	55	-0.0449	0.0554	0.2002	0.1339	0.1728	-0.1431	0.083
ReSTVr	56	-0.5457	0.1017	-0.0369	-0.2523	0.0869	-0.6989	-0.193
BeSTVr	56	-0.2523	-0.3912	0.3022	0.1417	0.2967	-0.1769	0.165
SeSTVr	56	0.0243	-0.0632	0.2726	0.1787	0.3201	0.0580	0.276
MeSTVr	56	-0.2942	-0.1749	0.2667	0.0688	0.3327	-0.2963	0.151
ReBRVp	57	0.0849	0.1179	-0.2040	-0.1103	-0.2902	-0.0039	-0.232
BeBRVp	57	0.2494	0.2402	0.2644	0.3498	0.1712	0.2411	0.219
SeBRVp	57	0.0560	0.2481	0.1490	0.0705	0.1649	-0.0042	0.120
MeBRVp	57	0.2037	0.3305	0.1080	0.1554	0.0238	0.1154	0.053
ReBRVr	58	0.0196	0.1613	-0.0203	-0.0511	-0.0643	0.1233	-0.035
BeBRVr	58	-0.1633	-0.2082	-0.0564	-0.0212	-0.2243	-0.0571	-0.185
SeBRVr	58	-0.2319	-0.0257	-0.5004	-0.4942	-0.5763	-0.2842	-0.554
MeBRVr	58	-0.2313	-0.0671	-0.3322	-0.3218	-0.5137	-0.1312	-0.458
ReGVARp	59	-0.0694	-0.0666	-0.2243	-0.1936	-0.4714	-0.2016	-0.465
BeGVARp	59	0.2570	-0.1924	0.2443	0.3260	0.0735	0.4860	0.226
SeGVARp	59	0.3234	0.1258	0.0171	0.0468	0.1760	0.1183	0.190
MeGVARp	59	0.3365	-0.1188	0.0628	0.1609	-0.1302	0.3195	-0.000

Table 71 continued 7/13

Character in trial Te		Trial Ts, plant crop						
		SsGYOTp	SsSEL7p	SsSEL8p	SsS10p	SsWSp	SsSTp	SsBRI1
ReTCHp	29	0.6327	0.4752	0.4401	0.2285	0.5039	0.4993	0.189
BeTCHp	29	0.1769	0.1409	0.2032	0.1344	-0.1429	0.5146	-0.041
SeTCHp	29	0.2734	0.0782	0.1727	0.1027	0.1394	0.3289	0.041
MeTCHp	29	0.4175	0.2739	0.3230	0.1861	0.1690	0.5489	0.061
ReTCHr	30	0.6075	0.4926	0.5111	0.2581	0.1994	0.7329	0.259
BeTCHr	30	0.2009	0.1119	0.1664	0.2799	-0.1444	0.6673	-0.167
SeTCHr	30	0.3369	0.1346	0.2443	0.1814	0.1007	0.5856	0.014
MeTCHr	30	0.4149	0.2657	0.3335	0.2642	0.0528	0.7280	0.034
ReCCSp	31	0.3996	0.5031	0.5586	0.4002	0.0773	0.0929	0.521
BeCCSp	31	0.0532	0.2153	0.2785	0.2780	-0.0728	-0.2571	0.377
SeCCSp	31	0.3803	0.5122	0.5093	0.2118	0.1046	-0.0820	0.663
MeCCSp	31	0.2906	0.4376	0.4834	0.3303	0.0317	-0.0976	0.557
ReCCSr	32	0.1953	0.3176	0.3873	0.2481	0.0292	-0.0819	0.397
BeCCSr	32	0.1276	0.2971	0.3079	0.0254	-0.0444	-0.1699	0.439
SeCCSr	32	0.5089	0.6084	0.6117	0.3915	0.2614	0.0736	0.567
MeCCSr	32	0.3054	0.4506	0.4764	0.2321	0.0898	-0.0674	0.518
ReTSHp	33	0.6922	0.5913	0.5821	0.3489	0.4653	0.4669	0.347
BeTSHp	33	0.1907	0.2139	0.2932	0.2181	-0.1616	0.4060	0.089
SeTSHp	33	0.4097	0.2719	0.3679	0.1849	0.1667	0.2872	0.309
MeTSHp	33	0.4995	0.4258	0.4916	0.3035	0.1607	0.4740	0.281
ReTSHr	34	0.6465	0.5659	0.6035	0.3181	0.2017	0.6913	0.368
BeTSHr	34	0.2566	0.2392	0.3004	0.2852	-0.1775	0.6227	0.018
SeTSHr	34	0.4944	0.3261	0.4380	0.3066	0.1874	0.5802	0.204
MeTSHr	34	0.5092	0.4100	0.4881	0.3317	0.0795	0.6889	0.214
ReGYOTp	35	0.6730	0.6210	0.6211	0.3747	0.4036	0.4231	0.402
BeGYOTp	35	0.1758	0.2319	0.3140	0.2419	-0.1810	0.3252	0.150
SeGYOTp	35	0.4318	0.3351	0.4228	0.1903	0.1506	0.2296	0.415
MeGYOTp	35	0.4901	0.4658	0.5327	0.3262	0.1227	0.3979	0.364
ReGYOTr	36	0.5875	0.5458	0.6184	0.3397	0.0953	0.6535	0.375
BeGYOTr	36	0.0627	0.1048	0.1725	0.1095	-0.2664	0.3546	0.012
SeGYOTr	36	0.4508	0.3660	0.4923	0.3107	0.1472	0.4799	0.242
MeGYOTr	36	0.3958	0.3658	0.4657	0.2772	-0.0171	0.5450	0.223
ReFIBRp	37	0.2170	-0.0133	0.0010	0.0323	0.3214	0.1660	-0.009
BeFIBRp	37	0.1456	-0.0284	-0.0409	0.1202	0.2465	0.1931	-0.129
SeFIBRp	37	0.3441	0.2585	0.2707	0.3480	0.2854	0.2651	0.119
MeFIBRp	37	0.2438	0.0674	0.0714	0.1709	0.3011	0.2195	-0.015
ReFIBRr	38	0.2717	0.0715	0.0299	-0.0223	0.2669	0.3259	0.011
BeFIBRr	38	0.1343	0.0199	-0.0138	-0.0147	0.1426	0.3245	-0.149

Table 71 continued 8/13

Character in trial Te		Trial Ts, plant crop						
		SsGYOTp	SsSEL7p	SsSEL8p	SsS10p	SsWSp	SsSTp	SsBRI
ReSEL7p	39	0.3845	0.3172	0.3449	0.1973	-0.0473	0.6640	0.041
BeSEL7p	39	0.2123	0.1916	0.2316	0.0796	-0.0360	0.4188	-0.011
SeSEL7p	39	0.2955	0.4004	0.4058	0.0935	0.0977	0.3514	0.114
MeSEL7p	39	0.3363	0.3418	0.3718	0.1378	0.0027	0.5472	0.041
ReSEL7r	40	0.6868	0.6994	0.7216	0.4995	0.1924	0.6304	0.444
BeSEL7r	40	0.6478	0.6215	0.5997	0.4572	0.3036	0.4603	0.497
SeSEL7r	40	0.5899	0.4977	0.4860	0.3126	0.1176	0.7174	0.326
MeSEL7r	40	0.7042	0.6655	0.6614	0.4643	0.2241	0.6623	0.464
ReSEL8p	41	0.2557	0.1623	0.1716	0.0249	-0.0402	0.5144	-0.031
BeSEL8p	41	0.1440	0.1665	0.2220	0.0750	-0.0988	0.2811	0.041
SeSEL8p	41	0.4302	0.5176	0.5722	0.2526	0.1926	0.4334	0.156
MeSEL8p	41	0.3111	0.3172	0.3675	0.1315	-0.0025	0.4789	0.061
ReSEL8r	42	0.7501	0.7259	0.7338	0.5932	0.3710	0.5244	0.511
BeSEL8r	42	0.5824	0.5877	0.6046	0.4740	0.2237	0.4102	0.480
SeSEL8r	42	0.5748	0.4846	0.5157	0.3743	0.1227	0.6727	0.334
MeSEL8r	42	0.7051	0.6647	0.6856	0.5327	0.2636	0.5957	0.491
ReSEL10p	43	0.1487	0.1593	0.1871	0.0118	0.0214	0.2906	-0.061
BeSEL10p	43	0.2469	0.2036	0.3133	0.2894	0.0775	0.2255	0.133
SeSEL10p	43	0.2019	0.1442	0.1884	0.1934	0.2728	0.0764	-0.010
MeSEL10p	43	0.2594	0.2170	0.3049	0.2406	0.1474	0.2450	0.054
ReS10r	44	0.6583	0.5597	0.5165	0.6706	0.2659	0.6181	0.349
BeS10r	44	0.4679	0.4190	0.4853	0.5583	0.2118	0.4589	0.176
SeS10r	44	0.2611	0.1954	0.2689	0.2699	-0.1999	0.5578	0.129
MeS10r	44	0.5427	0.4594	0.5047	0.5902	0.0997	0.6507	0.252
ReWSp	45	0.4408	0.3077	0.2484	0.2671	0.5816	-0.1382	0.398
BeWSp	45	0.4576	0.3798	0.3781	0.2560	0.3360	0.0443	0.501
SeWSp	45	0.3742	0.1997	0.2244	0.0157	0.3795	0.0541	0.280
MeWSp	45	0.4607	0.3250	0.3102	0.2030	0.4682	-0.0171	0.432
ReWSr	46	0.7043	0.7091	0.6313	0.3623	0.6310	0.0965	0.602
BeWSr	46	0.4640	0.4473	0.4497	0.4723	0.3767	0.1031	0.347
SeWSr	46	0.3662	0.2227	0.2975	0.2669	0.5532	-0.0655	0.199
MeWSr	46	0.5835	0.5229	0.5233	0.4168	0.5966	0.0491	0.436
ReSTp	47	0.1516	0.1207	0.1607	-0.1016	-0.1491	0.6275	-0.191
BeSTp	47	-0.2347	-0.2014	-0.1305	-0.0930	-0.4549	0.5110	-0.520
SeSTp	47	-0.1026	-0.1178	-0.0482	0.0754	-0.2476	0.2927	-0.242
MeSTp	47	-0.0725	-0.0765	-0.0062	-0.0538	-0.3379	0.5717	-0.380
ReSTr	48	0.1302	0.0077	0.0796	0.0005	-0.2418	0.7182	-0.176
BeSTr	48	-0.0757	-0.1469	-0.0916	-0.0140	-0.3689	0.5986	-0.351
SeSTr	48	0.0846	-0.0111	0.0440	0.0015	-0.3036	0.6585	-0.130
MeSTr	48	0.0494	-0.0513	0.0120	-0.0040	-0.3175	0.6867	-0.227

Table 71 continued 10/13

Character in A5 Evaluation	Trial Ts, plant crop							
	SsHARDp	SsvisGp	SsSTVp	SsBRVp	SsGVARp	SsG_Bp	SsGBp	
ReTCHp	29	0.3837	0.5534	-0.2509	-0.0653	-0.0961	0.6916	0.589
BeTCHp	29	0.2322	0.2601	-0.1254	0.1701	-0.2425	0.3767	0.303
SeTCHp	29	0.3365	0.2098	-0.2465	0.0317	-0.1678	0.5350	0.437
MeTCHp	29	0.3718	0.4059	-0.2395	0.0682	-0.2105	0.6255	0.514
ReTCHr	30	0.4326	0.6215	-0.0379	-0.3604	-0.0188	0.7538	0.699
BeTCHr	30	0.2355	0.2769	0.1295	-0.2697	-0.2195	0.4458	0.323
SeTCHr	30	0.2831	0.2992	-0.1015	-0.3054	-0.0300	0.5219	0.460
MeTCHr	30	0.3465	0.4346	-0.0020	-0.3423	-0.1009	0.6278	0.541
ReCCSp	31	-0.5563	0.4178	-0.1985	-0.0626	0.3998	0.1788	0.374
BeCCSp	31	-0.6359	0.0983	-0.2577	0.0917	0.4107	-0.1464	0.070
SeCCSp	31	-0.4049	0.4076	-0.2680	-0.0535	0.2604	0.1564	0.385
MeCCSp	31	-0.5971	0.3246	-0.2648	-0.0023	0.4003	0.0554	0.290
ReCCSr	32	-0.3980	0.2358	-0.1498	0.0575	0.2602	0.1207	0.307
BeCCSr	32	-0.5065	0.1714	-0.2641	0.0323	0.2344	-0.0801	0.133
SeCCSr	32	-0.3691	0.5389	-0.2187	-0.0568	0.3582	0.3694	0.523
MeCCSr	32	-0.4708	0.3471	-0.2390	0.0084	0.3115	0.1423	0.345
ReTSHp	33	0.1334	0.6291	-0.2873	-0.0827	0.0620	0.6594	0.641
BeTSHp	33	0.0025	0.2845	-0.1917	0.1955	-0.0791	0.3083	0.313
SeTSHp	33	0.1540	0.3577	-0.3364	0.0032	-0.0469	0.5646	0.565
MeTSHp	33	0.1042	0.5027	-0.3158	0.0625	-0.0289	0.5937	0.589
ReTSHr	34	0.3314	0.6708	-0.0783	-0.3440	0.0576	0.7680	0.766
BeTSHr	34	0.0306	0.3561	0.0352	-0.2477	-0.1293	0.4164	0.382
SeTSHr	34	0.1466	0.4615	-0.1816	-0.3172	0.0925	0.6181	0.618
MeTSHr	34	0.1839	0.5407	-0.0848	-0.3315	0.0096	0.6567	0.644
ReGYOTp	35	-0.0396	0.6278	-0.2721	-0.0642	0.1189	0.5810	0.612
BeGYOTp	35	-0.1479	0.2697	-0.2152	0.1893	-0.0195	0.2241	0.270
SeGYOTp	35	-0.0094	0.3831	-0.3624	0.0051	-0.0043	0.5069	0.562
MeGYOTp	35	-0.0897	0.5017	-0.3261	0.0666	0.0371	0.4999	0.555
ReGYOTr	36	0.1741	0.6408	-0.0250	-0.2130	0.0351	0.7062	0.734
BeGYOTr	36	-0.2281	0.1652	-0.0008	-0.1006	-0.1053	0.1926	0.212
SeGYOTr	36	-0.0234	0.4618	-0.1482	-0.2146	0.2016	0.5805	0.620
MeGYOTr	36	-0.0411	0.4586	-0.0658	-0.1941	0.0476	0.5371	0.570
ReFIBRp	37	0.6001	0.1136	-0.1729	-0.1741	0.0287	0.4121	0.280
BeFIBRp	37	0.5833	0.1097	0.0126	-0.0718	0.0265	0.4193	0.242
SeFIBRp	37	0.6488	0.3692	-0.0445	-0.2080	0.1880	0.5410	0.456
MeFIBRp	37	0.6482	0.2018	-0.0695	-0.1559	0.0810	0.4833	0.340
ReFIBRr	38	0.7674	0.2092	-0.0611	-0.3396	-0.0568	0.4255	0.280
BeFIBRr	38	0.7136	0.1608	0.0875	0.0688	-0.0974	0.4660	0.290
SeFIBRr	38	0.6610	0.2000	0.1117	0.0170	0.0075	0.5570	0.310
MeFIBRr	38	0.6610	0.2000	0.1117	0.0170	0.0075	0.5570	0.310

Table 71 continued 11/13

Character in A5 Evaluation		Trial Ts, plant crop						
		SsHARDp	SsvisGp	SsSTVp	SsBRVp	SsGVARp	SsG_Bp	SsGB
ReSEL7p	39	0.1223	0.4243	0.0187	0.1774	-0.1110	0.4592	0.35
BeSEL7p	39	0.1395	0.2981	-0.2537	0.2416	-0.1661	0.3943	0.32
SeSEL7p	39	0.3174	0.4474	-0.2658	0.1507	0.0715	0.6267	0.59
MeSEL7p	39	0.2214	0.4447	-0.2079	0.2271	-0.0888	0.5663	0.48
ReSEL7r	40	0.2276	0.7466	-0.0911	-0.5155	0.1130	0.7103	0.74
BeSEL7r	40	0.4059	0.6763	-0.2471	-0.4769	0.1218	0.6051	0.68
SeSEL7r	40	0.3345	0.6261	-0.1199	-0.3114	0.0169	0.6423	0.64
MeSEL7r	40	0.3538	0.7499	-0.1671	-0.4769	0.0919	0.7166	0.76
ReSEL8p	41	0.0382	0.2515	-0.0652	0.2176	-0.1793	0.2907	0.18
BeSEL8p	41	-0.0212	0.2189	-0.2262	0.3297	-0.0894	0.2149	0.20
SeSEL8p	41	0.2560	0.5614	-0.1656	0.1371	0.0859	0.7085	0.68
MeSEL8p	41	0.0876	0.3918	-0.1961	0.2967	-0.0843	0.4528	0.39
ReSEL8r	42	0.2523	0.7614	-0.1572	-0.4969	0.2647	0.7523	0.80
BeSEL8r	42	0.2401	0.6396	-0.2494	-0.3768	0.1045	0.5459	0.64
SeSEL8r	42	0.2231	0.5986	-0.1906	-0.3404	0.0943	0.6170	0.64
MeSEL8r	42	0.2652	0.7399	-0.2226	-0.4486	0.1696	0.7078	0.77
ReSEL10p	43	0.0265	0.1565	0.0100	0.1849	0.0073	0.1412	0.06
BeSEL10p	43	0.0381	0.2410	-0.1753	0.1697	0.1575	0.2130	0.23
SeSEL10p	43	0.0627	0.1661	-0.2180	0.1728	0.2184	0.3567	0.27
MeSEL10p	43	0.0521	0.2457	-0.1761	0.2148	0.1709	0.2917	0.24
ReS10r	44	0.1553	0.6528	0.0995	-0.4303	0.1271	0.5493	0.56
BeS10r	44	0.1615	0.5101	-0.1877	-0.3146	-0.0494	0.5099	0.52
SeS10r	44	0.0159	0.2968	-0.1113	-0.1741	-0.0432	0.3294	0.33
MeS10r	44	0.1311	0.5744	-0.0949	-0.3600	0.0040	0.5524	0.56
ReWSp	45	0.2489	0.2913	-0.6187	-0.0406	0.0946	0.2413	0.28
BeWSp	45	0.1090	0.3790	-0.6536	-0.0364	0.1058	0.3229	0.42
SeWSp	45	0.1338	0.2353	-0.7791	0.0990	-0.0698	0.3530	0.35
MeWSp	45	0.1778	0.3300	-0.7327	0.0028	0.0535	0.3277	0.38
ReWSr	46	0.2263	0.6608	-0.4827	-0.2353	0.3001	0.5930	0.65
BeWSr	46	0.0627	0.4389	-0.4413	-0.0802	0.2463	0.3916	0.42
SeWSr	46	-0.0465	0.2110	-0.6034	-0.0979	0.2837	0.3369	0.35
MeWSr	46	0.0914	0.4968	-0.5833	-0.1579	0.3165	0.5028	0.54
ReSTp	47	0.1280	0.2192	0.3698	-0.0412	-0.2325	0.3720	0.24
BeSTp	47	0.1846	-0.0711	0.4993	0.2065	-0.3507	0.1180	-0.05
SeSTp	47	0.2289	-0.0220	0.5931	-0.0704	-0.1019	0.1969	0.08
MeSTp	47	0.2096	0.0517	0.5673	0.0450	-0.2771	0.2697	0.11
ReSTr	48	0.3167	0.1837	0.3121	-0.2302	-0.2373	0.3800	0.27
BeSTr	48	0.2049	0.0195	0.4119	-0.2178	-0.3392	0.2036	0.07
SeSTr	48	0.3167	0.1637	0.3555	-0.2370	-0.2368	0.2875	0.21
MeSTr	48	0.2921	0.1285	0.3749	-0.2382	-0.2818	0.3030	0.19

Table 71 continued 12/13

Character in A5 Evaluation		Trial Ts, plant crop						
		SsHARDp	SsvisGp	SsSTVp	SsBRVp	SsGVARp	SsG_Bp	SsGI
ReBRIXr	50	-0.1407	0.7004	-0.1898	-0.3518	0.4010	0.4876	0.64
BeBRIXr	50	-0.0422	0.5708	-0.3133	-0.4048	0.5293	0.4445	0.60
SeBRIXr	50	0.0433	0.7614	-0.2557	-0.3779	0.3421	0.4671	0.64
MeBRIXr	50	-0.0473	0.7627	-0.2908	-0.4297	0.4831	0.5258	0.70
ReHARDp	51	0.6874	0.0953	-0.2390	0.1765	-0.2202	0.3114	0.17
BeHARDp	51	0.6731	0.0089	-0.0425	0.3497	-0.1105	0.2662	0.14
SeHARDp	51	0.6033	0.1086	-0.1291	0.0894	0.1552	0.2600	0.21
MeHARDp	51	0.7252	0.0754	-0.1458	0.2341	-0.0645	0.3081	0.19
ReHARDr	52	0.7886	-0.0671	-0.2171	0.0707	-0.2671	0.2977	0.14
BeHARDr	52	0.7074	0.1294	0.0736	0.0873	-0.0432	0.4438	0.31
SeHARDr	52	0.6954	0.4049	-0.0134	-0.0192	-0.0414	0.5369	0.44
MeHARDr	52	0.8042	0.1761	-0.0483	0.0523	-0.1226	0.4743	0.33
RevisGp	53	0.2510	0.5087	-0.1470	0.0132	-0.0110	0.5785	0.48
BevisGp	53	0.0975	0.1592	-0.1560	0.3466	-0.1582	0.2647	0.20
SevisGp	53	0.2915	0.4837	-0.2180	0.1715	0.0020	0.7009	0.65
MevisGp	53	0.2421	0.4363	-0.2029	0.2214	-0.0753	0.5861	0.50
RevisGr	54	0.2658	0.7385	-0.1252	-0.4895	0.0699	0.7637	0.77
BevisGr	54	0.3810	0.6745	-0.1957	-0.4184	-0.0266	0.7001	0.72
SevisGr	54	0.2983	0.6395	-0.2418	-0.3431	0.0527	0.6817	0.69
MevisGr	54	0.3330	0.7270	-0.2004	-0.4420	0.0359	0.7604	0.77
ReSTVp	55	0.0161	-0.2339	0.1985	0.2398	-0.3396	-0.0821	-0.16
BeSTVp	55	0.4110	0.1602	0.0677	-0.1941	-0.0254	0.1847	0.15
SeSTVp	55	-0.1344	0.4207	0.0493	-0.4374	0.3835	0.2269	0.33
MeSTVp	55	0.1725	0.1668	0.1864	-0.1912	-0.0228	0.1728	0.16
ReSTVr	56	0.4096	-0.1936	0.1483	0.0558	-0.3666	0.1893	-0.05
BeSTVr	56	0.0082	0.1103	-0.0361	-0.2506	-0.0174	0.1222	0.06
SeSTVr	56	0.1984	0.2500	0.1276	-0.5221	0.0271	0.1687	0.20
MeSTVr	56	0.2517	0.1125	0.1025	-0.3669	-0.1229	0.2103	0.12
ReBRVp	57	0.0114	-0.2300	0.0784	0.0509	0.0092	-0.2169	-0.20
BeBRVp	57	0.2233	0.2263	0.0937	0.0606	-0.0147	0.1789	0.20
SeBRVp	57	-0.1924	-0.1096	-0.2235	-0.1403	0.1878	-0.0367	-0.07
MeBRVp	57	0.0038	-0.0779	-0.0423	-0.0248	0.1086	-0.0512	-0.05
ReBRVr	58	0.1403	-0.0079	0.0488	0.1217	0.0903	-0.1672	-0.16
BeBRVr	58	-0.2004	-0.2514	-0.1795	0.2775	-0.2379	-0.3215	-0.27
SeBRVr	58	-0.3786	-0.6252	0.1925	0.2980	0.0833	-0.6048	-0.57
MeBRVr	58	-0.2727	-0.5286	0.0135	0.4245	-0.0649	-0.6528	-0.60
ReGVARp	59	-0.1310	-0.3600	0.0514	0.3815	-0.1994	-0.4712	-0.48
BeGVARp	59	-0.0414	0.2097	-0.3373	-0.2674	0.3845	-0.0042	0.17
SeGVARp	59	-0.2705	0.0229	-0.1848	-0.0757	0.2404	-0.0830	-0.06
MeGVARp	59	-0.2615	-0.0428	-0.3323	-0.0182	0.3103	-0.3341	-0.18

Table 71 continued 13/13

DF = 22

Correlation is significantly different from zero if > 0.404 (5%), 0.515 (1%)

Me = (Re+Be+Se)/3 in evaluation trial = mean of 3 types

p = plant crop

r = ratoon crop

e.g. MeTSHp

SLST = Number of selectable stalks in bunch-planted plot

SEL7, 8 = Number of clones with visual NMG 7+, 8+ SL10 = number 10+

G = net merit grade (NMG) visG = Visual NMG GYOT = NMGYOT

G_B = Visual NMG of whole original seedling plot, omitting brix

GB = Visual NMG of whole original seedling plot, adjusted for brix

ST = stalks

WS = weight per stalk (KG)

HARD = hardness

FIBR = fibre

V or VAR = within family variance e.g. GVAR = Variance for visual NMG

Table 72. Correlations between family means in trial Ts (R crop of Bs and Ss seedlings) vs trial Te (P or R crop), in order of Te types (Re, Be, Se and mean of all three).

Character in trial Te		Trial Ts, ratoon crop						
		BsTCHr	BsCCSr	BsTSHr	BsGYOTr	BsWSr	BsSTr	BsBRI
ReTCHp	28	0.5214	0.1231	0.4555	0.4142	0.1494	0.4850	0.12
BeTCHp	28	0.5108	0.2486	0.4827	0.4635	0.1967	0.4327	0.24
SeTCHp	28	0.4443	0.1539	0.4117	0.3933	0.1783	0.4264	0.15
MeTCHp	28	0.5949	0.2189	0.5453	0.5142	0.2122	0.5374	0.21
ReTCHr	29	0.6031	0.3524	0.5788	0.5571	-0.0375	0.8097	0.35
BeTCHr	29	0.4487	0.0398	0.3844	0.3544	-0.1757	0.7106	0.03
SeTCHr	29	0.6080	0.1029	0.5411	0.5052	-0.0392	0.8197	0.10
MeTCHr	29	0.6078	0.1773	0.5501	0.5177	-0.0943	0.8583	0.17
ReCCSp	30	0.3419	0.4194	0.3943	0.3969	0.4073	-0.0362	0.41
BeCCSp	30	0.2328	0.3457	0.3005	0.3200	0.5535	-0.3013	0.34
SeCCSp	30	0.2448	0.5986	0.3541	0.3795	0.4869	-0.2039	0.59
MeCCSp	30	0.3004	0.4878	0.3824	0.3995	0.5337	-0.2023	0.48
ReCCSr	31	0.1956	0.3562	0.2600	0.2601	0.3334	-0.1263	0.35
BeCCSr	31	0.1950	0.3526	0.2559	0.2690	0.4549	-0.2597	0.35
SeCCSr	31	0.3022	0.5182	0.3813	0.3931	0.3526	-0.0326	0.51
MeCCSr	31	0.2548	0.4506	0.3295	0.3396	0.4240	-0.1590	0.45
ReTSHp	32	0.5800	0.2521	0.5396	0.5040	0.2848	0.4059	0.25
BeTSHp	32	0.5489	0.3559	0.5474	0.5368	0.3588	0.3065	0.35
SeTSHp	32	0.5217	0.3789	0.5321	0.5244	0.3588	0.3336	0.37
MeTSHp	32	0.6642	0.3948	0.6508	0.6291	0.4026	0.4171	0.39
ReTSHr	33	0.6491	0.4518	0.6440	0.6238	0.0639	0.7588	0.45
BeTSHr	33	0.5318	0.1963	0.4940	0.4703	-0.0018	0.6213	0.19
SeTSHr	33	0.6885	0.2723	0.6501	0.6192	0.0921	0.7706	0.27
MeTSHr	33	0.6832	0.3338	0.6532	0.6257	0.0573	0.7854	0.33
ReGYOTp	34	0.5701	0.2954	0.5462	0.5163	0.3426	0.3212	0.29
BeGYOTp	34	0.5431	0.3839	0.5545	0.5488	0.4328	0.2136	0.38
SeGYOTp	34	0.5170	0.4635	0.5508	0.5507	0.4308	0.2404	0.46
MeGYOTp	34	0.6515	0.4481	0.6580	0.6433	0.4802	0.3069	0.44
ReGYOTr	35	0.5854	0.4801	0.5986	0.5828	0.0844	0.6420	0.48
BeGYOTr	35	0.3459	0.1566	0.3307	0.3161	0.0475	0.3283	0.15
SeGYOTr	35	0.5788	0.3118	0.5682	0.5459	0.0885	0.6184	0.31
MeGYOTr	35	0.5568	0.3435	0.5511	0.5314	0.0813	0.5840	0.34
ReFIBRp	36	0.0812	-0.0054	0.0423	0.0235	-0.1971	0.3831	-0.00
BeFIBRp	36	0.0398	-0.0793	-0.0083	-0.0219	-0.2157	0.3467	-0.07
SeFIBRp	36	0.2193	0.1425	0.2048	0.1913	-0.0278	0.3784	0.14
MeFIBRp	36	0.1146	0.0127	0.0774	0.0611	-0.1627	0.3921	0.01

Table 72 continued 2/13

Character in trial	Te	Trial Ts, ratoon crop						BsBR1
		BsTCHr	BsCCSr	BsTSHr	BsGYOTr	BsWSr	BsSTr	
ReSEL7p	38	0.4147	0.0919	0.3588	0.3502	0.1071	0.4164	0.09
BeSEL7p	38	0.5165	0.1755	0.4697	0.4551	0.3827	0.2714	0.17
SeSEL7p	38	0.5422	0.3360	0.5342	0.5186	0.3254	0.3603	0.33
MeSEL7p	38	0.5773	0.2346	0.5337	0.5183	0.3322	0.3980	0.23
ReSEL7r	39	0.6457	0.5258	0.6655	0.6620	0.1799	0.6269	0.52
BeSEL7r	39	0.7975	0.6156	0.8178	0.8073	0.3928	0.6282	0.61
SeSEL7r	39	0.7538	0.4149	0.7274	0.7122	0.1642	0.8151	0.41
MeSEL7r	39	0.8035	0.5690	0.8085	0.7978	0.2689	0.7577	0.56
ReSEL8p	40	0.3633	-0.0379	0.2850	0.2637	0.1320	0.3027	-0.03
BeSEL8p	40	0.4897	0.1623	0.4549	0.4432	0.5229	0.0815	0.16
SeSEL8p	40	0.5259	0.2549	0.5094	0.4846	0.2699	0.3739	0.25
MeSEL8p	40	0.5619	0.1543	0.5095	0.4873	0.4092	0.2776	0.15
ReSEL8r	41	0.5915	0.5752	0.6267	0.6186	0.1370	0.6142	0.57
BeSEL8r	41	0.8179	0.6425	0.8484	0.8414	0.5080	0.5301	0.64
SeSEL8r	41	0.8064	0.4539	0.7857	0.7672	0.2455	0.7926	0.45
MeSEL8r	41	0.8252	0.6203	0.8416	0.8291	0.3346	0.7184	0.62
ReSEL10p	42	0.1391	-0.0992	0.0864	0.0716	0.0040	0.1301	-0.09
BeSEL10p	42	0.4296	0.1450	0.4019	0.3764	0.4181	0.1092	0.14
SeSEL10p	42	0.2803	-0.1131	0.2138	0.1807	0.1744	0.1449	-0.11
MeSEL10p	42	0.3909	0.0156	0.3357	0.3047	0.3069	0.1534	0.01
ReS10r	43	0.5483	0.4322	0.5530	0.5476	-0.0198	0.7109	0.43
BeS10r	43	0.6934	0.3229	0.6738	0.6425	0.3272	0.5232	0.32
SeS10r	43	0.5523	0.3736	0.5586	0.5614	0.1360	0.5472	0.37
MeS10r	43	0.7268	0.4489	0.7225	0.7082	0.1939	0.7064	0.44
ReWSp	44	0.4769	0.3163	0.4778	0.4636	0.6835	-0.0673	0.31
BeWSp	44	0.6481	0.5318	0.6730	0.6619	0.7040	0.1169	0.53
SeWSp	44	0.5438	0.2741	0.5246	0.5131	0.5984	0.1018	0.27
MeWSp	44	0.6020	0.4105	0.6057	0.5925	0.7181	0.0526	0.41
ReWSr	45	0.6075	0.5284	0.6364	0.6248	0.6512	0.0966	0.52
BeWSr	45	0.5309	0.2800	0.5211	0.4975	0.5686	0.0523	0.28
SeWSr	45	0.4785	0.0726	0.4437	0.4046	0.4461	0.0975	0.07
MeWSr	45	0.6151	0.3335	0.6088	0.5804	0.6329	0.0944	0.33
ReSTp	46	0.0565	-0.1935	-0.0112	-0.0346	-0.4838	0.5349	-0.19
BeSTp	46	-0.0456	-0.2288	-0.0986	-0.1088	-0.4353	0.3668	-0.22
SeSTp	46	-0.1234	-0.1372	-0.1369	-0.1446	-0.4545	0.3312	-0.13
MeSTp	46	-0.0393	-0.2226	-0.0938	-0.1103	-0.5383	0.4872	-0.22
ReSTr	47	0.2193	-0.0121	0.1705	0.1568	-0.5159	0.8215	-0.01
BeSTr	47	0.1244	-0.1175	0.0707	0.0581	-0.5087	0.6754	-0.11
SeSTr	47	0.2753	0.0490	0.2323	0.2243	-0.3576	0.7639	0.04
MeSTr	47	0.2165	-0.0265	0.1660	0.1542	-0.4785	0.7860	-0.02

Table 72 continued 3/13

Character in trial Te		Trial Ts, ratoon crop						
		BsTCHr	BsCCSr	BsTSHr	BsGYOTr	BsWSr	BsSTr	BsBRJ
ReBRIXr	49	0.3637	0.6365	0.4437	0.4643	0.3982	0.0839	0.63
BeBRIXr	49	0.4016	0.4516	0.4550	0.4553	0.4139	0.0836	0.45
SeBRIXr	49	0.4611	0.6633	0.5383	0.5557	0.4891	0.1068	0.66
MeBRIXr	49	0.4647	0.6546	0.5432	0.5569	0.4921	0.1037	0.65
ReHARDp	50	0.0922	-0.1329	0.0304	0.0035	0.0349	0.1396	-0.13
BeHARDp	50	0.0136	0.0098	0.0031	-0.0097	0.0519	0.0367	0.00
SeHARDp	50	-0.0294	0.0743	-0.0212	-0.0349	-0.0372	0.0585	0.07
MeHARDp	50	0.0266	-0.0150	0.0041	-0.0152	0.0195	0.0839	-0.01
ReHARDr	51	-0.0180	-0.0150	-0.0333	-0.0433	-0.1169	0.1643	-0.01
BeHARDr	51	-0.0603	0.0498	-0.0513	-0.0597	-0.1734	0.1479	0.04
SeHARDr	51	0.1147	0.2114	0.1253	0.1182	-0.0421	0.2448	0.21
MeHARDr	51	0.0109	0.0915	0.0132	0.0039	-0.1250	0.2038	0.09
RevisGp	52	0.4706	0.1501	0.4129	0.3914	0.0632	0.5294	0.15
BevisGp	52	0.4117	0.0877	0.3683	0.3476	0.3463	0.1633	0.08
SevisGp	52	0.5069	0.2718	0.4914	0.4680	0.2337	0.3963	0.27
MevisGp	52	0.5440	0.1917	0.4966	0.4708	0.2621	0.4161	0.19
RevisGr	53	0.6409	0.4938	0.6496	0.6349	0.1240	0.6759	0.49
BevisGr	53	0.8179	0.5196	0.8152	0.7924	0.3322	0.6979	0.51
SevisGr	53	0.7952	0.5063	0.7853	0.7736	0.2474	0.7832	0.50
MevisGr	53	0.7983	0.5384	0.7968	0.7796	0.2472	0.7665	0.53
ReSTVp	54	-0.1924	-0.3393	-0.2284	-0.2528	-0.2792	-0.0098	-0.33
BeSTVp	54	0.2342	0.1553	0.2431	0.2519	0.0079	0.3342	0.15
SeSTVp	54	0.3871	0.3229	0.4109	0.4204	0.1889	0.3102	0.32
MeSTVp	54	0.2167	0.0480	0.2121	0.2071	-0.0685	0.3456	0.04
ReSTVr	55	-0.0092	-0.3138	-0.0814	-0.1042	-0.5092	0.4764	-0.31
BeSTVr	55	0.4119	-0.1146	0.3273	0.3036	0.0165	0.5078	-0.11
SeSTVr	55	0.3150	0.0876	0.2793	0.2666	-0.1929	0.6461	0.08
MeSTVr	55	0.3485	-0.1169	0.2659	0.2405	-0.2726	0.7361	-0.11
ReBRVp	56	-0.1711	-0.0860	-0.1538	-0.1433	0.1817	-0.3809	-0.08
BeBRVp	56	-0.0397	0.3051	0.0260	0.0442	-0.0604	0.0083	0.30
SeBRVp	56	0.1252	-0.1923	0.0689	0.0435	0.1750	-0.0408	-0.19
MeBRVp	56	-0.0395	-0.0087	-0.0306	-0.0308	0.1726	-0.2283	-0.00
ReBRVr	57	0.0415	0.1068	0.0524	0.0592	0.1383	-0.0953	0.10
BeBRVr	57	-0.2625	-0.0371	-0.2313	-0.2094	0.1685	-0.4649	-0.03
SeBRVr	57	-0.7372	-0.4916	-0.7238	-0.7186	-0.3899	-0.5571	-0.49
MeBRVr	57	-0.5721	-0.2438	-0.5372	-0.5156	-0.0291	-0.6837	-0.24
ReGVARp	58	-0.1633	-0.1151	-0.1725	-0.1572	0.1463	-0.3511	-0.11
BeGVARp	58	0.4086	0.4008	0.4501	0.4587	0.5807	-0.0170	0.40
SeGVARp	58	0.1550	-0.1034	0.1202	0.0982	0.1973	-0.0765	-0.10
MeGVARp	58	0.3032	0.1826	0.3104	0.3140	0.6468	-0.2678	0.18

Table 72 continued 4/13

Character in trial Te		Trial Ts, ratoon crop						
		BsHARDr	BsG_Br	BsGBr	SsTCHr	SsCCSr	SsTSHr	SsGYC
ReTCHp	28	0.3195	0.6574	0.5997	0.7362	0.0645	0.6653	0.57
BeTCHp	28	0.5181	0.4449	0.4010	0.7043	-0.1544	0.5463	0.46
SeTCHp	28	0.1746	0.4997	0.4611	0.6630	-0.0875	0.5430	0.44
MeTCHp	28	0.4298	0.6334	0.5772	0.8440	-0.0800	0.7001	0.59
ReTCHr	29	0.3840	0.6681	0.6583	0.7883	0.1063	0.7289	0.63
BeTCHr	29	0.4023	0.4837	0.3875	0.6447	-0.2126	0.4788	0.39
SeTCHr	29	0.1952	0.7099	0.6203	0.7860	-0.1628	0.6160	0.51
MeTCHr	29	0.3600	0.6818	0.6086	0.8133	-0.1035	0.6665	0.56
ReCCSp	30	-0.1362	-0.0008	0.2027	0.1758	0.5910	0.4083	0.47
BeCCSp	30	-0.2968	-0.1827	0.0023	-0.1509	0.4582	0.0639	0.17
SeCCSp	30	-0.1948	-0.1691	0.1022	-0.0397	0.7303	0.2702	0.34
MeCCSp	30	-0.2347	-0.1292	0.1085	-0.0096	0.6396	0.2634	0.35
ReCCSr	31	-0.0709	-0.1242	0.0621	0.0580	0.4527	0.2541	0.28
BeCCSr	31	-0.1345	-0.1435	0.0235	-0.0915	0.5040	0.1310	0.21
SeCCSr	31	-0.0423	-0.0030	0.2069	0.1131	0.5795	0.3425	0.38
MeCCSr	31	-0.0937	-0.0977	0.1072	0.0211	0.5660	0.2599	0.31
ReTSHp	32	0.2311	0.5759	0.5953	0.7023	0.2658	0.7235	0.66
BeTSHp	32	0.3882	0.3503	0.3754	0.6124	0.0173	0.5399	0.50
SeTSHp	32	0.0820	0.4204	0.4878	0.6241	0.2018	0.6306	0.56
MeTSHp	32	0.3052	0.5338	0.5756	0.7765	0.1794	0.7522	0.68
ReTSHr	33	0.3688	0.6247	0.6654	0.7883	0.2234	0.7815	0.69
BeTSHr	33	0.3587	0.4360	0.4104	0.6266	-0.0099	0.5482	0.50
SeTSHr	33	0.1693	0.6854	0.6692	0.8002	0.0349	0.7119	0.63
MeTSHr	33	0.3231	0.6392	0.6381	0.8090	0.0884	0.7447	0.66
ReGYOTp	34	0.1541	0.4836	0.5432	0.6189	0.3607	0.6926	0.66
BeGYOTp	34	0.2772	0.2690	0.3290	0.5124	0.1105	0.4926	0.48
SeGYOTp	34	-0.0159	0.3315	0.4553	0.5415	0.3456	0.6193	0.58
MeGYOTp	34	0.1898	0.4272	0.5188	0.6642	0.3063	0.7087	0.68
ReGYOTr	35	0.3732	0.5082	0.5757	0.7383	0.2403	0.7510	0.67
BeGYOTr	35	0.2071	0.2003	0.1999	0.3601	0.0420	0.3404	0.32
SeGYOTr	35	0.1342	0.5246	0.5571	0.6496	0.1058	0.6145	0.56
MeGYOTr	35	0.2593	0.4522	0.4872	0.6410	0.1381	0.6240	0.57
ReFIBRp	36	0.2375	0.3763	0.2983	0.4479	-0.1969	0.3010	0.16
BeFIBRp	36	0.3509	0.3646	0.2502	0.3845	-0.2547	0.2271	0.11
SeFIBRp	36	0.4300	0.3014	0.2708	0.3779	-0.0448	0.3033	0.22
MeFIBRp	36	0.3598	0.3721	0.2899	0.4294	-0.1836	0.2921	0.17
ReFIBRr	37	0.3867	0.5028	0.3692	0.4617	-0.2129	0.3019	0.19
BeFIBRr	37	0.4282	0.3994	0.3035	0.4501	-0.2382	0.2889	0.18

Table 72 continued 5/13

Character in trial	Te	Trial Ts, ratoon crop						
		BsHARDr	BsG_Br	BsGBr	SsTCHr	SsCCSr	SsTSHr	SsGYC
ReSEL7p	38	0.3603	0.4940	0.4333	0.6708	0.0140	0.5889	0.58
BeSEL7p	38	0.4628	0.4760	0.4232	0.6169	-0.0384	0.5170	0.50
SeSEL7p	38	0.4195	0.4467	0.4864	0.5779	0.1208	0.5511	0.52
MeSEL7p	38	0.4894	0.5507	0.5200	0.7237	0.0307	0.6398	0.62
ReSEL7r	39	0.3578	0.4908	0.6164	0.6225	0.3856	0.7032	0.67
BeSEL7r	39	0.3017	0.6125	0.7333	0.6657	0.3508	0.7182	0.67
SeSEL7r	39	0.2432	0.7345	0.7608	0.8446	0.2618	0.8382	0.79
MeSEL7r	39	0.3304	0.6724	0.7720	0.7805	0.3652	0.8269	0.78
ReSEL8p	40	0.2441	0.4626	0.3408	0.5646	-0.0725	0.4566	0.44
BeSEL8p	40	0.3381	0.3054	0.2753	0.4313	0.0347	0.3899	0.43
SeSEL8p	40	0.4195	0.4412	0.4635	0.5661	0.1238	0.5465	0.51
MeSEL8p	40	0.4041	0.4750	0.4218	0.6192	0.0321	0.5513	0.55
ReSEL8r	41	0.2402	0.4668	0.6321	0.6173	0.4443	0.7230	0.66
BeSEL8r	41	0.2372	0.5845	0.7150	0.6190	0.3542	0.6826	0.66
SeSEL8r	41	0.2084	0.7156	0.7586	0.8357	0.2653	0.8345	0.78
MeSEL8r	41	0.2543	0.6576	0.7825	0.7696	0.3930	0.8310	0.78
ReSEL10p	42	0.2156	0.2424	0.1372	0.2051	-0.1643	0.1088	0.11
BeSEL10p	42	0.2990	0.2546	0.2307	0.4299	-0.0307	0.3609	0.34
SeSEL10p	42	0.1193	0.3375	0.2336	0.3115	-0.1303	0.2123	0.18
MeSEL10p	42	0.2808	0.3393	0.2576	0.4216	-0.1125	0.3178	0.30
ReS10r	43	0.1443	0.6186	0.6963	0.6709	0.2790	0.7046	0.64
BeS10r	43	0.2094	0.5322	0.5575	0.5720	0.1049	0.5398	0.49
SeS10r	43	0.2615	0.3401	0.3932	0.6601	0.0817	0.6103	0.55
MeS10r	43	0.2523	0.5906	0.6510	0.7617	0.1768	0.7381	0.67
ReWSp	44	-0.0019	0.3033	0.3873	0.3323	0.3061	0.4130	0.39
BeWSp	44	0.0041	0.3579	0.4829	0.5047	0.3976	0.5981	0.56
SeWSp	44	-0.0118	0.4188	0.4674	0.5560	0.2127	0.5660	0.53
MeWSp	44	-0.0029	0.3855	0.4805	0.4968	0.3354	0.5660	0.53
ReWSr	45	0.1875	0.3468	0.4699	0.3270	0.5103	0.4897	0.48
BeWSr	45	0.2256	0.2226	0.2575	0.3385	0.2595	0.4003	0.38
SeWSr	45	-0.0530	0.2850	0.2736	0.3233	0.0532	0.2958	0.24
MeWSr	45	0.1339	0.3261	0.3815	0.3762	0.3114	0.4504	0.41
ReSTp	46	0.3193	0.3643	0.2083	0.3846	-0.2381	0.2363	0.17
BeSTp	46	0.5694	0.1540	-0.0117	0.2824	-0.5393	0.0255	-0.03
SeSTp	46	0.2157	0.0683	-0.0254	0.0983	-0.3112	-0.0344	-0.10
MeSTp	46	0.4438	0.2366	0.0709	0.3092	-0.4317	0.0947	0.01
ReSTr	47	0.2799	0.4820	0.3791	0.5979	-0.2659	0.4120	0.32
BeSTr	47	0.2550	0.3451	0.2371	0.4166	-0.3443	0.2267	0.17
SeSTr	47	0.2387	0.5092	0.4274	0.5563	-0.1858	0.4126	0.35
MeSTr	47	0.2685	0.4657	0.3643	0.5467	-0.2751	0.3667	0.29

Table 72 continued 6/13

Character in trial Te		Trial Ts, ratoon crop			SsTCHr	SsCCSr	SsTSHr	SsGYC
		BsHARDr	BsG_Br	BsGBr				
ReBRIXr	49	-0.0378	0.1391	0.3924	0.2783	0.8367	0.5986	0.61
BeBRIXr	49	0.0024	0.1402	0.3393	0.0819	0.6022	0.3220	0.35
SeBRIXr	49	0.0498	0.1647	0.3960	0.2034	0.8116	0.5075	0.56
MeBRIXr	49	0.0077	0.1677	0.4234	0.2053	0.8405	0.5283	0.56
ReHARDp	50	0.4223	0.2355	0.1279	0.3550	-0.2147	0.2025	0.12
BeHARDp	50	0.4215	0.0625	0.0064	0.2281	-0.2225	0.1011	0.01
SeHARDp	50	0.3949	-0.0076	-0.0165	0.1185	-0.0963	0.0521	-0.03
MeHARDp	50	0.4575	0.1034	0.0406	0.2568	-0.1983	0.1292	0.03
ReHARDr	51	0.4042	0.1432	0.0793	0.2279	-0.2953	0.0591	-0.06
BeHARDr	51	0.5959	-0.0003	-0.0233	0.1409	-0.1559	0.0566	-0.05
SeHARDr	51	0.4670	0.2240	0.2505	0.2989	0.0916	0.2938	0.20
MeHARDr	51	0.5467	0.1291	0.1078	0.2420	-0.1298	0.1490	0.03
RevisGp	52	0.3122	0.6177	0.5705	0.7081	0.0334	0.6211	0.58
BevisGp	52	0.4202	0.3342	0.2661	0.5238	-0.1389	0.3982	0.37
SevisGp	52	0.4082	0.4729	0.5044	0.6080	0.0769	0.5642	0.52
MevisGp	52	0.4524	0.5542	0.5158	0.7218	-0.0235	0.6160	0.57
RevisGr	53	0.2340	0.5782	0.6797	0.7053	0.3631	0.7659	0.69
BevisGr	53	0.3603	0.6861	0.7535	0.7386	0.2314	0.7355	0.67
SevisGr	53	0.2182	0.7378	0.7996	0.8577	0.3078	0.8686	0.80
MevisGr	53	0.2847	0.7107	0.7925	0.8185	0.3218	0.8432	0.77
ReSTVp	54	0.0315	-0.0339	-0.1842	-0.1865	-0.4370	-0.3414	-0.39
BeSTVp	54	0.2795	0.1869	0.2179	0.1526	-0.1575	0.0518	0.07
SeSTVp	54	-0.3373	0.3999	0.5021	0.1256	0.3186	0.2393	0.31
MeSTVp	54	0.0013	0.2943	0.2727	0.0374	-0.1916	-0.0557	-0.03
ReSTVr	55	0.2895	0.2695	0.1004	0.2128	-0.6543	-0.1000	-0.17
BeSTVr	55	0.0799	0.4735	0.3670	0.4125	-0.1842	0.2719	0.28
SeSTVr	55	-0.0925	0.5749	0.5454	0.3251	-0.0195	0.2706	0.26
MeSTVr	55	0.0900	0.6104	0.4870	0.4322	-0.3244	0.2296	0.20
ReBRVp	56	0.0524	-0.2283	-0.2922	-0.3754	-0.0784	-0.3496	-0.35
BeBRVp	56	0.2636	-0.0743	0.0193	0.0587	0.0906	0.0912	0.05
SeBRVp	56	-0.3189	0.1898	0.0814	0.0012	-0.0787	-0.0445	-0.07
MeBRVp	56	-0.0283	-0.0499	-0.1022	-0.1754	-0.0442	-0.1722	-0.20
ReBRVr	57	0.0425	-0.0916	-0.0558	0.0586	0.1240	0.0878	0.09
BeBRVr	57	-0.2944	-0.1155	-0.0619	-0.2201	-0.0417	-0.1982	-0.16
SeBRVr	57	-0.4538	-0.7386	-0.7522	-0.6059	-0.2079	-0.6033	-0.60
MeBRVr	57	-0.4332	-0.5464	-0.4978	-0.4596	-0.0773	-0.4270	-0.39
ReGVARp	58	-0.0202	-0.1519	-0.2282	-0.2759	-0.1363	-0.2943	-0.22
BeGVARp	58	-0.0649	0.0922	0.2256	0.1307	0.3403	0.2495	0.30
SeGVARp	58	-0.3595	0.0961	0.0682	0.0223	0.0526	0.0370	0.03
MeGVARp	58	-0.2623	0.0329	0.0743	-0.0533	0.2099	0.0355	0.11

Table 72 continued 7/13

Character in trial Te		Trial Ts, ratoon crop						
		SsSEL7r	SsSEL8r	SsS10r	SsWSr	SsSTr	SsBRIXr	SsSHAR
ReTCHp	28	0.4898	0.4346	0.5485	0.1926	0.3385	0.0644	0.15
BeTCHp	28	0.4553	0.3589	0.4403	0.1052	0.4385	-0.1545	0.02
SeTCHp	28	0.3954	0.3147	0.3160	0.2691	0.3263	-0.0875	0.29
MeTCHp	28	0.5395	0.4446	0.5272	0.2155	0.4507	-0.0801	0.17
ReTCHr	29	0.4981	0.2520	0.2875	-0.1701	0.6657	0.1063	0.14
BeTCHr	29	0.3442	0.2219	0.3529	-0.3227	0.6909	-0.2128	0.10
SeTCHr	29	0.3432	0.2120	0.3108	-0.1055	0.6987	-0.1628	0.12
MeTCHr	29	0.4330	0.2514	0.3502	-0.2213	0.7553	-0.1036	0.13
ReCCSp	30	0.5060	0.5822	0.4704	0.2185	-0.0798	0.5910	-0.45
BeCCSp	30	0.2303	0.4078	0.1970	0.3734	-0.3961	0.4583	-0.36
SeCCSp	30	0.3436	0.3530	0.0790	0.3094	-0.3045	0.7304	-0.20
MeCCSp	30	0.3915	0.4961	0.2809	0.3332	-0.2895	0.6396	-0.38
ReCCSr	31	0.3216	0.3440	0.1914	0.2934	-0.1607	0.4526	-0.26
BeCCSr	31	0.2167	0.2967	0.0766	0.2932	-0.3132	0.5039	-0.40
SeCCSr	31	0.4344	0.4507	0.2761	0.2243	-0.1683	0.5796	-0.21
MeCCSr	31	0.3509	0.3975	0.1933	0.2946	-0.2436	0.5661	-0.33
ReTSHp	32	0.6064	0.5895	0.6546	0.2475	0.2639	0.2657	-0.03
BeTSHp	32	0.5131	0.4770	0.4824	0.2127	0.2869	0.0172	-0.10
SeTSHp	32	0.5169	0.4425	0.3417	0.3712	0.2050	0.2018	0.17
MeTSHp	32	0.6558	0.6074	0.6029	0.3216	0.3095	0.1793	-0.00
ReTSHr	33	0.5689	0.3292	0.3225	-0.0801	0.6043	0.2233	0.07
BeTSHr	33	0.4483	0.3506	0.3930	-0.2216	0.5914	-0.0101	-0.07
SeTSHr	33	0.4741	0.3530	0.3960	-0.0103	0.6119	0.0350	0.03
MeTSHr	33	0.5427	0.3769	0.4063	-0.1113	0.6593	0.0884	0.01
ReGYOTp	34	0.6266	0.6451	0.6685	0.2473	0.1976	0.3607	-0.14
BeGYOTp	34	0.5014	0.5089	0.4692	0.2433	0.1861	0.1104	-0.18
SeGYOTp	34	0.5346	0.4832	0.3205	0.3946	0.1113	0.3456	0.07
MeGYOTp	34	0.6598	0.6547	0.5940	0.3398	0.2035	0.3062	-0.12
ReGYOTr	35	0.6264	0.4114	0.3846	-0.0640	0.5563	0.2403	-0.03
BeGYOTr	35	0.3081	0.2671	0.2322	-0.1423	0.3460	0.0418	-0.22
SeGYOTr	35	0.5060	0.4237	0.4119	-0.0239	0.4963	0.1058	-0.07
MeGYOTr	35	0.5275	0.4073	0.3800	-0.0872	0.5153	0.1380	-0.12
ReFIBRp	36	0.0637	-0.1384	0.0391	0.0989	0.3103	-0.1969	0.35
BeFIBRp	36	0.0925	-0.0537	0.1149	0.0508	0.2774	-0.2548	0.38
SeFIBRp	36	0.2313	0.0599	0.1789	0.0955	0.2437	-0.0448	0.46
MeFIBRp	36	0.1332	-0.0501	0.1166	0.0853	0.2960	-0.1836	0.42
ReFIBRr	37	0.0787	-0.1520	0.0056	-0.1095	0.4237	-0.2129	0.41
BeFIBRr	37	0.1801	-0.0162	0.0958	-0.0460	0.4057	-0.2382	0.48

Table 72 continued 8/13

Character in trial	Te	Trial Ts, ratoon crop						
		SsSEL7r	SsSEL8r	SsS10r	SsWSr	SsSTr	SsBRIXr	SsSHAR
ReSEL7p	38	0.6886	0.7029	0.7743	-0.0802	0.4841	0.0139	-0.01
BeSEL7p	38	0.5524	0.5919	0.6309	0.2061	0.2800	-0.0386	0.02
SeSEL7p	38	0.5546	0.5654	0.4549	0.2785	0.2149	0.1207	0.20
MeSEL7p	38	0.6914	0.7184	0.7207	0.1696	0.3722	0.0306	0.07
ReSEL7r	39	0.5963	0.4039	0.3768	-0.1080	0.4740	0.3855	-0.10
BeSEL7r	39	0.4962	0.3155	0.2611	0.1866	0.3279	0.3508	0.20
SeSEL7r	39	0.6085	0.4597	0.4163	-0.0178	0.6252	0.2619	0.24
MeSEL7r	39	0.6227	0.4318	0.3862	0.0214	0.5228	0.3652	0.12
ReSEL8p	40	0.4746	0.5612	0.6520	-0.0102	0.3503	-0.0727	-0.14
BeSEL8p	40	0.4967	0.6358	0.6170	0.2634	0.0922	0.0345	-0.07
SeSEL8p	40	0.6173	0.6479	0.5844	0.1971	0.2623	0.1238	0.09
MeSEL8p	40	0.6368	0.7511	0.7539	0.1979	0.2638	0.0319	-0.06
ReSEL8r	41	0.5648	0.3385	0.3440	-0.0018	0.4082	0.4443	-0.01
BeSEL8r	41	0.5215	0.4035	0.3165	0.2492	0.2545	0.3542	0.09
SeSEL8r	41	0.5876	0.4295	0.4140	0.0205	0.5986	0.2653	0.11
MeSEL8r	41	0.6206	0.4356	0.3986	0.1021	0.4671	0.3930	0.07
ReSEL10p	42	0.2496	0.3056	0.4037	-0.1637	0.1777	-0.1643	-0.28
BeSEL10p	42	0.3991	0.4562	0.5875	0.3098	0.0949	-0.0308	-0.10
SeSEL10p	42	0.2912	0.4670	0.5152	0.2862	-0.0213	-0.1304	-0.05
MeSEL10p	42	0.4098	0.5215	0.6443	0.2329	0.1008	-0.1126	-0.16
ReS10r	43	0.5226	0.3156	0.3849	-0.1215	0.5248	0.2790	0.07
BeS10r	43	0.3974	0.3442	0.4312	0.1010	0.3462	0.1048	0.00
SeS10r	43	0.4072	0.2330	0.2177	-0.0230	0.5125	0.0816	0.07
MeS10r	43	0.5269	0.3584	0.4138	-0.0075	0.5500	0.1768	0.06
ReWSp	44	0.1753	0.2459	0.2420	0.7639	-0.3212	0.3061	0.26
BeWSp	44	0.3609	0.3523	0.2556	0.6937	-0.1381	0.3976	0.14
SeWSp	44	0.3363	0.3975	0.3304	0.6429	-0.0519	0.2128	0.17
MeWSp	44	0.3124	0.3551	0.2948	0.7584	-0.1895	0.3354	0.21
ReWSr	45	0.3242	0.3230	0.2309	0.5382	-0.2431	0.5103	0.05
BeWSr	45	0.2957	0.3586	0.3699	0.5256	-0.1792	0.2595	0.06
SeWSr	45	0.0399	0.1709	0.2278	0.5642	-0.1595	0.0533	-0.08
MeWSr	45	0.2484	0.3223	0.3136	0.6202	-0.2214	0.3114	0.01
ReSTp	46	0.2849	0.1419	0.2449	-0.5706	0.6628	-0.2382	-0.15
BeSTp	46	0.1348	0.0376	0.2123	-0.5277	0.6016	-0.5394	-0.09
SeSTp	46	0.0444	-0.1090	-0.0349	-0.3986	0.3943	-0.3113	0.11
MeSTp	46	0.1879	0.0352	0.1763	-0.5927	0.6596	-0.4318	-0.06
ReSTr	47	0.2805	0.0274	0.1236	-0.5971	0.9022	-0.2659	0.12
BeSTr	47	0.1653	0.0085	0.1202	-0.6538	0.7986	-0.3444	0.05
SeSTr	47	0.3251	0.0990	0.1557	-0.5314	0.8320	-0.1859	0.18
MeSTr	47	0.2693	0.0479	0.1392	-0.6181	0.8801	-0.2751	0.12

Table 72 continued 9/13

Character in trial Te		Trial Ts, ratoon crop						
		SsSEL7r	SsSEL8r	SsS10r	SsWSr	SsSTr	SsBRIXr	SsSHAr
ReBRIXr	49	0.5638	0.4229	0.3031	0.2631	-0.0660	0.8366	-0.19
BeBRIXr	49	0.2946	0.2727	0.1554	0.3211	-0.2039	0.6023	-0.14
SeBRIXr	49	0.4611	0.3679	0.1970	0.2502	-0.1133	0.8116	-0.00
MeBRIXr	49	0.4875	0.3954	0.2411	0.3163	-0.1495	0.8405	-0.12
ReHARDp	50	0.1904	0.1239	0.2298	0.2457	0.1386	-0.2147	0.60
BeHARDp	50	0.1302	0.0422	0.0610	0.3250	-0.0025	-0.2225	0.67
SeHARDp	50	0.0080	-0.1791	-0.1319	0.2121	0.0141	-0.0962	0.58
MeHARDp	50	0.1209	-0.0048	0.0562	0.2920	0.0517	-0.1983	0.69
ReHARDr	51	-0.1183	-0.2997	-0.2822	0.2014	0.0787	-0.2953	0.60
BeHARDr	51	-0.0042	-0.1909	-0.1759	0.1223	0.0599	-0.1560	0.57
SeHARDr	51	0.1817	-0.0145	0.0193	0.1380	0.1322	0.0916	0.61
MeHARDr	51	0.0240	-0.1838	-0.1596	0.1674	0.0986	-0.1298	0.68
RevisGp	52	0.6555	0.6104	0.7090	-0.0689	0.4892	0.0333	0.01
BevisGp	52	0.4464	0.5005	0.5647	0.2514	0.2017	-0.1390	-0.02
SevisGp	52	0.6056	0.6212	0.5592	0.1986	0.2924	0.0768	0.12
MevisGp	52	0.6655	0.6779	0.7239	0.1558	0.3820	-0.0236	0.03
RevisGr	53	0.5462	0.3457	0.3502	-0.0318	0.4795	0.3630	0.00
BevisGr	53	0.5262	0.3691	0.3569	0.1061	0.4400	0.2313	0.12
SevisGr	53	0.5743	0.3981	0.3495	0.0945	0.5521	0.3078	0.22
MevisGr	53	0.5849	0.3951	0.3744	0.0593	0.5243	0.3218	0.12
ReSTVp	54	-0.3135	-0.3016	-0.2458	-0.2313	0.0704	-0.4369	-0.04
BeSTVp	54	0.1446	0.0745	0.1179	-0.2255	0.3053	-0.1574	0.25
SeSTVp	54	0.3178	0.3442	0.2710	-0.1259	0.1037	0.3187	-0.15
MeSTVp	54	0.0551	0.0366	0.0572	-0.3361	0.2706	-0.1915	0.03
ReSTVr	55	-0.1378	-0.1765	-0.0762	-0.4195	0.4797	-0.6543	0.45
BeSTVr	55	0.2496	0.3035	0.4846	-0.2150	0.4766	-0.1842	-0.09
SeSTVr	55	0.1928	0.0036	0.1052	-0.4575	0.5947	-0.0194	0.04
MeSTVr	55	0.1656	0.0776	0.2483	-0.4844	0.6962	-0.3244	0.13
ReBRVp	56	-0.4476	-0.3899	-0.4240	0.2401	-0.4331	-0.0785	-0.26
BeBRVp	56	0.0919	-0.0926	-0.1300	-0.1312	0.0781	0.0906	-0.13
SeBRVp	56	-0.2276	-0.1305	-0.0308	0.2427	-0.2020	-0.0787	-0.16
MeBRVp	56	-0.3335	-0.3364	-0.3148	0.2093	-0.3173	-0.0443	-0.30
ReBRVr	57	0.0176	0.0592	-0.0020	0.2977	-0.1960	0.1239	0.39
BeBRVr	57	-0.1247	-0.0217	0.0073	0.2062	-0.2744	-0.0417	-0.20
SeBRVr	57	-0.4662	-0.3946	-0.3562	-0.0659	-0.3039	-0.2077	-0.05
MeBRVr	57	-0.3385	-0.2049	-0.1973	0.2677	-0.4668	-0.0772	0.04
ReGVARp	58	-0.1759	-0.0220	-0.1049	0.0456	-0.2659	-0.1365	-0.21
BeGVARp	58	0.1578	0.1386	0.1288	0.3584	-0.1272	0.3404	-0.07
SeGVARp	58	-0.0405	0.1241	0.1769	0.3079	-0.2566	0.0527	-0.08
MeGVARp	58	-0.0069	0.1628	0.1346	0.4757	-0.4016	0.2098	-0.23

Table 72 continued 10/13

Character in trial Te		Trial Ts, ratoon crop					
		SsvisGr	SsSTVr	SsBRVr	SsGVARr	SsG_Br	SsGBr
ReTCHp	28	0.5208	0.2323	-0.2095	0.3214	0.7405	0.7091
BeTCHp	28	0.4389	0.4348	-0.0936	0.2807	0.6283	0.5087
SeTCHp	28	0.3535	0.4425	0.0367	0.3738	0.7775	0.5871
MeTCHp	28	0.5289	0.4487	-0.1115	0.3845	0.8482	0.7136
ReTCHr	29	0.5880	0.4353	-0.5548	0.1386	0.7535	0.7038
BeTCHr	29	0.4427	0.7054	-0.5457	0.1500	0.6167	0.4620
SeTCHr	29	0.4878	0.5861	-0.3980	0.1180	0.6853	0.4879
MeTCHr	29	0.5557	0.6379	-0.5497	0.1494	0.7530	0.6038
ReCCSp	30	0.4719	-0.1889	-0.2652	0.4724	0.0342	0.3621
BeCCSp	30	0.1481	-0.3948	0.0621	0.2917	-0.1534	0.0875
SeCCSp	30	0.2766	-0.5208	-0.2277	0.2253	-0.1327	0.2379
MeCCSp	30	0.3238	-0.3979	-0.1448	0.3670	-0.0926	0.2458
ReCCSr	31	0.2618	-0.1550	-0.2575	0.2675	-0.0244	0.2251
BeCCSr	31	0.1467	-0.3539	-0.1791	0.1225	-0.2031	0.0878
SeCCSr	31	0.3836	-0.3626	-0.2948	0.3186	0.0472	0.3751
MeCCSr	31	0.2845	-0.3338	-0.2629	0.2509	-0.0751	0.2457
ReTSHp	32	0.6216	0.1379	-0.2699	0.4550	0.6592	0.7488
BeTSHp	32	0.4693	0.2780	-0.0687	0.3668	0.5373	0.5113
SeTSHp	32	0.4529	0.2342	-0.0496	0.4511	0.6975	0.6597
MeTSHp	32	0.6199	0.2649	-0.1561	0.5039	0.7473	0.7579
ReTSHr	33	0.6395	0.3828	-0.6005	0.2037	0.7342	0.7507
BeTSHr	33	0.5216	0.5758	-0.6241	0.1995	0.5419	0.5058
SeTSHr	33	0.5944	0.4508	-0.4620	0.2291	0.6775	0.5972
MeTSHr	33	0.6400	0.5139	-0.6121	0.2311	0.7125	0.6745
ReGYOTp	34	0.6333	0.0598	-0.2830	0.4791	0.5547	0.7092
BeGYOTp	34	0.4489	0.1727	-0.0633	0.3687	0.4368	0.4662
SeGYOTp	34	0.4585	0.1072	-0.0921	0.4435	0.5843	0.6326
MeGYOTp	34	0.6135	0.1404	-0.1729	0.5083	0.6155	0.7068
ReGYOTr	35	0.6575	0.3916	-0.5544	0.2904	0.6803	0.7376
BeGYOTr	35	0.3302	0.4393	-0.5684	0.1154	0.2671	0.2931
SeGYOTr	35	0.5831	0.3599	-0.4698	0.3052	0.5552	0.5578
MeGYOTr	35	0.5764	0.4445	-0.5927	0.2608	0.5483	0.5789
ReFIBRp	36	0.1058	0.2930	-0.0082	0.0899	0.3918	0.2219
BeFIBRp	36	0.1209	0.3166	0.0285	0.1522	0.4268	0.2223
SeFIBRp	36	0.2625	0.0930	-0.0249	0.2644	0.4364	0.3516
MeFIBRp	36	0.1691	0.2570	0.0004	0.1766	0.4455	0.2783
ReFIBRr	37	0.1375	0.3756	-0.1909	-0.0297	0.4976	0.3072
BeFIBRr	37	0.2098	0.3074	-0.0151	0.0988	0.4977	0.2668

Table 72 continued 11/13

Character in trial Te		Trial Ts, ratoon crop					
		SsvisGr	SsSTVr	SsBRVr	SsGVARr	SsG_Br	SsGBr
ReSEL7p	38	0.6511	0.3854	0.0421	0.6294	0.7125	0.6416
BeSEL7p	38	0.5005	0.2893	-0.0233	0.5252	0.5974	0.5342
SeSEL7p	38	0.5528	0.1040	-0.2824	0.4317	0.6472	0.6402
MeSEL7p	38	0.6539	0.3028	-0.0990	0.6141	0.7540	0.6980
ReSEL7r	39	0.6358	0.1949	-0.5743	0.3247	0.5696	0.7048
BeSEL7r	39	0.5669	0.0356	-0.4375	0.1534	0.6040	0.6760
SeSEL7r	39	0.7502	0.2364	-0.5168	0.2066	0.7248	0.6832
MeSEL7r	39	0.7149	0.1714	-0.5597	0.2510	0.6947	0.7553
ReSEL8p	40	0.4772	0.3058	0.0600	0.4290	0.5846	0.4933
BeSEL8p	40	0.4181	0.1382	0.0985	0.5377	0.4926	0.4798
SeSEL8p	40	0.6222	0.0794	-0.2300	0.5146	0.6632	0.6799
MeSEL8p	40	0.5986	0.2109	-0.0026	0.6074	0.6905	0.6556
ReSEL8r	41	0.6162	0.0823	-0.5598	0.3030	0.5314	0.6869
BeSEL8r	41	0.5770	0.0100	-0.3414	0.2179	0.5887	0.6742
SeSEL8r	41	0.7053	0.2923	-0.5172	0.2250	0.7129	0.6909
MeSEL8r	41	0.7042	0.1428	-0.5238	0.2755	0.6813	0.7611
ReSEL10p	42	0.1681	0.2379	0.1559	0.2456	0.4058	0.3511
BeSEL10p	42	0.3496	0.1488	0.2829	0.5274	0.4268	0.4258
SeSEL10p	42	0.2590	0.0757	0.1679	0.4479	0.5116	0.4113
MeSEL10p	42	0.3452	0.1842	0.2706	0.5386	0.5497	0.4977
ReS10r	43	0.6323	0.2222	-0.4339	0.1294	0.5591	0.5926
BeS10r	43	0.4960	0.1335	-0.2934	0.2282	0.5395	0.5402
SeS10r	43	0.4311	0.4392	-0.3288	0.1471	0.4728	0.4298
MeS10r	43	0.6181	0.3214	-0.4176	0.2069	0.6295	0.6231
ReWSp	44	0.1553	-0.3730	0.1776	0.2101	0.3168	0.4140
BeWSp	44	0.3330	-0.2419	-0.0193	0.2263	0.4543	0.5625
SeWSp	44	0.2839	-0.0990	0.0665	0.3196	0.4998	0.5070
MeWSp	44	0.2773	-0.2639	0.0802	0.2682	0.4536	0.5338
ReWSr	45	0.3170	-0.4327	-0.1916	0.2277	0.3816	0.6142
BeWSr	45	0.2704	-0.2043	-0.0448	0.3181	0.3777	0.5059
SeWSr	45	0.1090	-0.2372	0.0221	0.1319	0.2116	0.2444
MeWSr	45	0.2634	-0.3335	-0.0811	0.2557	0.3677	0.5167
ReSTp	46	0.3304	0.6115	-0.3357	0.0594	0.3966	0.2536
BeSTp	46	0.1560	0.6731	-0.0752	0.0744	0.2488	0.0101
SeSTp	46	0.0648	0.5503	-0.0303	0.0394	0.2648	0.0630
MeSTp	46	0.2224	0.7234	-0.1787	0.0691	0.3583	0.1295
ReSTr	47	0.3992	0.7494	-0.4804	-0.0443	0.5106	0.2787
BeSTr	47	0.2874	0.7767	-0.5053	-0.0425	0.3580	0.1318
SeSTr	47	0.4271	0.7512	-0.4301	0.0235	0.5329	0.3133
MeSTr	47	0.3882	0.7912	-0.4912	-0.0212	0.4884	0.2531

Table 72 continued 12/13

Character in trial Te		Trial Ts, ratoon crop					
		SsvisGr	SsSTVr	SsBRVr	SsGVARr	SsG_Br	SsGBr
ReBRIXr	49	0.4899	-0.2589	-0.2732	0.4422	0.2361	0.5890
BeBRIXr	49	0.3000	-0.4590	-0.3531	0.2234	0.0666	0.3504
SeBRIXr	49	0.4704	-0.5589	-0.3250	0.2499	0.1168	0.4781
MeBRIXr	49	0.4687	-0.4913	-0.3618	0.3358	0.1512	0.5253
ReHARDp	50	0.1393	0.1408	0.2219	0.2784	0.4021	0.2383
BeHARDp	50	0.0335	0.1241	0.3217	0.2201	0.4338	0.2465
SeHARDp	50	-0.0271	-0.0014	0.0608	0.0203	0.1234	0.0801
MeHARDp	50	0.0517	0.0980	0.2281	0.1919	0.3578	0.2103
ReHARDr	51	-0.1560	0.1200	0.0297	-0.1356	0.2266	0.0226
BeHARDr	51	-0.0265	0.0436	-0.1648	-0.0311	0.2031	0.0952
SeHARDr	51	0.2173	-0.1064	-0.2093	0.0206	0.2848	0.2782
MeHARDr	51	0.0151	0.0198	-0.1324	-0.0509	0.2617	0.1467
RevisGp	52	0.6335	0.3458	-0.1079	0.5406	0.7405	0.6907
BevisGp	52	0.3714	0.3131	0.1700	0.4825	0.5438	0.4468
SevisGp	52	0.5999	0.1655	-0.2946	0.4979	0.6931	0.6773
MevisGp	52	0.6210	0.3331	-0.0664	0.6001	0.7728	0.7041
RevisGr	53	0.6287	0.1958	-0.5699	0.2359	0.6327	0.7308
BevisGr	53	0.6143	0.1823	-0.5023	0.1930	0.7014	0.7208
SevisGr	53	0.6971	0.1891	-0.5204	0.1733	0.6973	0.6839
MevisGr	53	0.6897	0.2013	-0.5652	0.2131	0.7200	0.7563
ReSTVp	54	-0.2772	0.1480	0.0251	-0.4157	-0.0416	-0.2180
BeSTVp	54	0.1802	0.0778	0.0424	0.1644	0.1646	0.0715
SeSTVp	54	0.3599	-0.0463	-0.0259	0.2438	0.2867	0.3914
MeSTVp	54	0.1197	0.1110	0.0259	-0.0352	0.2177	0.1111
ReSTVr	55	-0.0333	0.5205	-0.3086	-0.2279	0.2061	-0.1208
BeSTVr	55	0.3706	0.3228	-0.1220	0.2572	0.3030	0.1484
SeSTVr	55	0.3132	0.4219	-0.3346	-0.0787	0.3091	0.2216
MeSTVr	55	0.3203	0.5504	-0.3389	-0.0045	0.3717	0.1406
ReBRVp	56	-0.4561	-0.3122	0.3076	-0.3397	-0.2249	-0.2485
BeBRVp	56	0.0016	-0.0064	0.0270	-0.0538	0.0925	0.1988
SeBRVp	56	-0.1944	-0.0019	0.2679	-0.0727	0.0033	-0.0494
MeBRVp	56	-0.3634	-0.1751	0.3399	-0.2555	-0.0751	-0.0662
ReBRVr	57	0.0511	-0.2469	0.2128	-0.0247	-0.0692	-0.0399
BeBRVr	57	-0.2058	-0.1796	0.5098	0.0581	-0.2367	-0.1934
SeBRVr	57	-0.5527	-0.0132	0.4805	-0.1475	-0.5840	-0.6106
MeBRVr	57	-0.4240	-0.2662	0.7361	-0.0574	-0.5292	-0.4986
ReGVARp	58	-0.2439	-0.0795	0.2634	-0.1597	-0.0810	-0.1448
BeGVARp	58	0.1459	-0.2359	0.1828	0.2569	-0.0033	0.1556
SeGVARp	58	-0.0230	-0.1418	0.2830	0.0412	0.0807	0.1056
MeGVARp	58	-0.0474	-0.3092	0.4577	0.1249	-0.0066	0.0915

Table 72 continued 13/13

DF = 22

Correlation is significantly different from zero if > 0.404 (5%), 0.515 (1%)

Me = $(Re+Be+Se)/3$ in evaluation trial = mean of 3 types

p = plant crop

r = ratoon crop

e.g. MeTSHp

SLST = Number of selectable stalks in bunch-planted plot

SEL7, 8 = Number of clones with visual NMG 7+, 8+

SL10 = number 10+

G = net merit grade (NMG)

visG = Visual NMG

GYOT = NMGYOT

G_B = Visual NMG of whole original seedling plot, omitting brix

GB = Visual NMG of whole original seedling plot, adjusted for brix

ST = stalks

WS = weight per stalk (KG)

HARD = hardness

FIBR = fibre

V or VAR = within family variance

e.g. GVAR = Variance for visual NMG

Table 73. Correlations between family means in trial Ts (PR crop of Bs and Ss seedlings) vs trial Te (P or R crop), in order of Te types (Re, Be, Se and mean of all three).

Character in trial Te		Trial Ts, PR crop						
		BsTCHpr	BsCCSpr	BsTSHpr	BsGYOTpr	BsWSpr	BsSTpr	BsHAR
ReTCHp	32	0.5415	0.2293	0.5074	0.4874	0.2985	0.4384	0.41
BeTCHp	32	0.4967	0.1946	0.4748	0.4552	0.3147	0.3588	0.31
SeTCHp	32	0.3706	0.1366	0.3503	0.3362	0.2070	0.3422	0.31
MeTCHp	32	0.5704	0.2270	0.5400	0.5182	0.3351	0.4554	0.41
ReTCHr	33	0.5918	0.4065	0.5919	0.5865	0.0681	0.7864	0.41
BeTCHr	33	0.3953	0.0333	0.3465	0.3179	-0.0914	0.5959	0.11
SeTCHr	33	0.5653	0.1093	0.5126	0.4781	0.0653	0.7219	0.11
MeTCHr	33	0.5678	0.1962	0.5297	0.5042	0.0136	0.7704	0.31
ReCCSp	34	0.3879	0.5015	0.4634	0.4840	0.5507	-0.0644	-0.31
BeCCSp	34	0.1610	0.4139	0.2571	0.2898	0.5329	-0.3183	-0.41
SeCCSp	34	0.2354	0.6050	0.3554	0.3965	0.4999	-0.1420	-0.21
MeCCSp	34	0.2849	0.5484	0.3906	0.4247	0.5825	-0.2002	-0.31
ReCCSr	35	0.1580	0.4013	0.2463	0.2657	0.3819	-0.2018	-0.21
BeCCSr	35	0.1368	0.4085	0.2291	0.2588	0.4374	-0.2528	-0.21
SeCCSr	35	0.3380	0.5972	0.4376	0.4703	0.4666	-0.0233	-0.01
MeCCSr	35	0.2330	0.5176	0.3357	0.3664	0.4742	-0.1741	-0.11
ReTSHp	36	0.6152	0.3751	0.6109	0.6002	0.4649	0.3590	0.21
BeTSHp	36	0.5185	0.3300	0.5318	0.5255	0.4675	0.2334	0.21
SeTSHp	36	0.4472	0.3727	0.4753	0.4786	0.3890	0.2789	0.21
MeTSHp	36	0.6391	0.4290	0.6530	0.6468	0.5361	0.3455	0.21
ReTSHr	37	0.6274	0.5127	0.6519	0.6523	0.1753	0.7227	0.41
BeTSHr	37	0.4571	0.2108	0.4471	0.4314	0.0783	0.5097	0.01
SeTSHr	37	0.6596	0.3067	0.6424	0.6200	0.2295	0.6811	0.11
MeTSHr	37	0.6378	0.3736	0.6362	0.6221	0.1779	0.6984	0.21
ReGYOTp	38	0.6087	0.4226	0.6214	0.6170	0.5272	0.2771	0.11
BeGYOTp	38	0.4973	0.3721	0.5283	0.5289	0.5236	0.1452	0.01
SeGYOTp	38	0.4368	0.4602	0.4907	0.5042	0.4518	0.1991	0.01
MeGYOTp	38	0.6200	0.4926	0.6568	0.6596	0.6045	0.2434	0.11
ReGYOTr	39	0.5871	0.5180	0.6227	0.6260	0.2256	0.5895	0.31
BeGYOTr	39	0.2505	0.1651	0.2642	0.2581	0.0721	0.2247	-0.01
SeGYOTr	39	0.5762	0.3520	0.5839	0.5716	0.2512	0.5159	0.01
MeGYOTr	39	0.5185	0.3750	0.5388	0.5328	0.2011	0.4858	0.01
ReFIBRp	40	0.1272	-0.0259	0.0803	0.0597	-0.1444	0.3653	0.41
BeFIBRp	40	0.0812	-0.1065	0.0198	0.0002	-0.1812	0.3354	0.41
SeFIBRp	40	0.2932	0.1415	0.2684	0.2539	0.0735	0.3836	0.51
MeFIBRp	40	0.1708	-0.0055	0.1222	0.1026	-0.0981	0.3832	0.51

Table 73 continued 2/16

Character in trial Te		Trial Ts, PR crop						
		BsTCHpr	BsCCSpr	BsTSHpr	BsGYOTpr	BsWSpr	BsSTpr	BsHARpr
ReSEL7p	42	0.5190	0.0923	0.4581	0.4440	0.2985	0.4073	0.33
BeSEL7p	42	0.5130	0.1103	0.4674	0.4447	0.4745	0.2491	0.33
SeSEL7p	42	0.4642	0.3641	0.4832	0.4804	0.3860	0.2647	0.53
MeSEL7p	42	0.5828	0.2146	0.5478	0.5314	0.4617	0.3499	0.43
ReSEL7r	43	0.6508	0.5637	0.6908	0.7006	0.3075	0.6128	0.28
BeSEL7r	43	0.6961	0.6075	0.7414	0.7459	0.4180	0.6196	0.28
SeSEL7r	43	0.6778	0.4312	0.6743	0.6694	0.2144	0.7933	0.33
MeSEL7r	43	0.7407	0.5860	0.7706	0.7740	0.3434	0.7414	0.33
ReSEL8p	44	0.4511	-0.0081	0.3763	0.3540	0.2859	0.3196	0.22
BeSEL8p	44	0.4803	0.1108	0.4488	0.4309	0.5841	0.0922	0.16
SeSEL8p	44	0.5428	0.3280	0.5461	0.5354	0.4482	0.2731	0.49
MeSEL8p	44	0.5950	0.1628	0.5522	0.5311	0.5566	0.2561	0.33
ReSEL8r	45	0.6215	0.6293	0.6752	0.6872	0.2960	0.5801	0.27
BeSEL8r	45	0.7087	0.6336	0.7634	0.7710	0.5270	0.5267	0.18
SeSEL8r	45	0.7224	0.4952	0.7338	0.7297	0.3045	0.7566	0.26
MeSEL8r	45	0.7628	0.6517	0.8070	0.8127	0.4207	0.6914	0.26
ReSEL10p	46	0.2220	0.0270	0.1919	0.1888	0.1343	0.1265	0.24
BeSEL10p	46	0.5445	0.1555	0.5146	0.4881	0.6244	0.1019	0.13
SeSEL10p	46	0.3416	-0.0081	0.2909	0.2672	0.3510	0.0573	0.19
MeSEL10p	46	0.5042	0.0961	0.4600	0.4353	0.5282	0.1173	0.21
ReS10r	47	0.5243	0.4918	0.5500	0.5631	0.0707	0.6781	0.13
BeS10r	47	0.6741	0.3487	0.6690	0.6481	0.4616	0.4753	0.09
SeS10r	47	0.4286	0.4011	0.4724	0.4828	0.1362	0.4684	0.19
MeS10r	47	0.6576	0.4924	0.6828	0.6826	0.2841	0.6407	0.16
ReWSp	48	0.3281	0.3972	0.3758	0.3851	0.5528	-0.0143	0.17
BeWSp	48	0.4723	0.6274	0.5571	0.5774	0.6123	0.1226	0.17
SeWSp	48	0.3628	0.3543	0.3995	0.4073	0.4872	0.0823	0.22
MeWSp	48	0.4206	0.5033	0.4829	0.4966	0.5983	0.0683	0.20
ReWSr	49	0.5586	0.6730	0.6364	0.6573	0.6456	0.2019	0.41
BeWSr	49	0.4506	0.4879	0.5083	0.5178	0.5785	0.0547	0.30
SeWSr	49	0.4610	0.2543	0.4732	0.4552	0.5474	0.0518	0.08
MeWSr	49	0.5599	0.5364	0.6157	0.6202	0.6741	0.1177	0.30
ReSTp	50	0.2080	-0.1781	0.1256	0.0979	-0.2455	0.4677	0.27
BeSTp	50	0.1104	-0.3883	0.0033	-0.0390	-0.2237	0.2948	0.24
SeSTp	50	0.0088	-0.2417	-0.0544	-0.0789	-0.2950	0.2739	0.12
MeSTp	50	0.1339	-0.3197	0.0334	-0.0042	-0.2969	0.4096	0.25
ReSTr	51	0.2439	-0.0797	0.1800	0.1561	-0.4008	0.7270	0.21
BeSTr	51	0.1351	-0.2682	0.0483	0.0136	-0.4278	0.5776	-0.01
SeSTr	51	0.2407	-0.0770	0.1853	0.1627	-0.3222	0.7053	0.11

Table 73 continued 3/16

Character in trial Te		Trial Ts, PR crop						
		BsTCHpr	BsCCSpr	BsTSHpr	BsGYOTpr	BsWSpr	BsSTpr	BsHARD
ReBRIXr	53	0.3895	0.7468	0.4997	0.5492	0.4356	0.1750	0.07
BeBRIXr	53	0.3741	0.5870	0.4643	0.4906	0.4626	0.0778	0.08
SeBRIXr	53	0.4906	0.7217	0.5845	0.6216	0.5193	0.2580	0.17
MeBRIXr	53	0.4735	0.7694	0.5836	0.6252	0.5362	0.1904	0.12
ReHARDp	54	0.1234	-0.1750	0.0546	0.0206	0.1168	0.0750	0.60
BeHARDp	54	-0.0095	-0.0444	-0.0274	-0.0405	0.0537	-0.0283	0.63
SeHARDp	54	-0.0241	0.1211	-0.0016	-0.0055	-0.0065	0.0038	0.67
MeHARDp	54	0.0299	-0.0345	0.0071	-0.0112	0.0595	0.0157	0.70
ReHARDr	55	-0.0573	-0.1813	-0.0984	-0.1243	-0.1500	0.1176	0.58
BeHARDr	55	-0.0641	-0.0257	-0.0708	-0.0824	-0.1596	0.0862	0.70
SeHARDr	55	0.1066	0.1994	0.1167	0.1178	-0.0400	0.2500	0.71
MeHARDr	55	-0.0068	0.0004	-0.0198	-0.0328	-0.1297	0.1650	0.74
RevisGp	56	0.5874	0.1547	0.5271	0.5065	0.3012	0.4934	0.34
BevisGp	56	0.4463	0.0301	0.3985	0.3704	0.4805	0.1180	0.25
SevisGp	56	0.4893	0.2806	0.4865	0.4731	0.3780	0.2711	0.44
MevisGp	56	0.5989	0.1705	0.5529	0.5275	0.4650	0.3383	0.40
RevisGr	57	0.6422	0.5580	0.6753	0.6814	0.2497	0.6617	0.28
BevisGr	57	0.7478	0.5008	0.7624	0.7517	0.4166	0.6635	0.29
SevisGr	57	0.6948	0.5277	0.7142	0.7158	0.2754	0.7650	0.34
MevisGr	57	0.7378	0.5631	0.7617	0.7610	0.3305	0.7432	0.32
ReSTVp	58	-0.2251	-0.2287	-0.2421	-0.2540	-0.2666	-0.1033	0.15
BeSTVp	58	0.3258	-0.0643	0.2725	0.2449	0.1439	0.3258	0.14
SeSTVp	58	0.4442	0.3376	0.4586	0.4711	0.2783	0.3804	-0.27
MeSTVp	58	0.2784	-0.0006	0.2453	0.2289	0.0629	0.3200	0.03
ReSTVr	59	-0.0417	-0.4682	-0.1454	-0.1951	-0.4324	0.2944	0.26
BeSTVr	59	0.4802	-0.2007	0.3689	0.3206	0.1857	0.4557	-0.17
SeSTVr	59	0.3014	0.0587	0.2614	0.2463	-0.1512	0.6252	-0.10
MeSTVr	59	0.3609	-0.2255	0.2529	0.2056	-0.1469	0.6374	-0.04
ReBRVp	60	-0.2215	0.0038	-0.1879	-0.1676	-0.0153	-0.2173	0.10
BeBRVp	60	0.0591	0.2965	0.1169	0.1424	0.0022	0.0890	0.33
SeBRVp	60	0.1831	-0.0667	0.1451	0.1269	0.2377	0.0162	-0.07
MeBRVp	60	0.0163	0.1103	0.0410	0.0542	0.1330	-0.0650	0.17
ReBRVr	61	0.0318	0.0655	0.0387	0.0425	0.1188	-0.0626	0.12
BeBRVr	61	-0.2714	-0.1111	-0.2599	-0.2472	0.0553	-0.3955	-0.33
SeBRVr	61	-0.6773	-0.3820	-0.6593	-0.6511	-0.3813	-0.6589	-0.34
MeBRVr	61	-0.5496	-0.2552	-0.5279	-0.5125	-0.1120	-0.6760	-0.35
ReGVARp	62	-0.2982	-0.0981	-0.2858	-0.2646	-0.0892	-0.2741	-0.05
BeGVARp	62	0.4356	0.3498	0.4707	0.4724	0.5870	0.1059	-0.16
SeGVARp	62	0.1264	0.1297	0.1447	0.1505	0.2371	-0.1169	-0.18
MeGVARp	62	0.2267	0.2831	0.2715	0.2888	0.5315	-0.1488	-0.25

Table 73 continued 4/16

Character in trial Te	Trial Ts, PR crop							
	BsG_Bpr	BsGBpr	SsTCHpr	SsCCSpr	SsTSHpr	SsGYOTpr	SsSEL7	
ReTCHp	32	0.6352	0.5695	0.8374	0.1311	0.7380	0.6394	0.51
BeTCHp	32	0.4393	0.4048	0.5420	-0.1001	0.4024	0.3266	0.28
SeTCHp	32	0.3671	0.3271	0.5415	-0.0169	0.4380	0.3711	0.22
MeTCHp	32	0.5769	0.5218	0.7624	-0.0045	0.6222	0.5256	0.41
ReTCHr	33	0.6259	0.6034	0.8076	0.1912	0.7349	0.6546	0.53
BeTCHr	33	0.3953	0.2867	0.5630	-0.1903	0.3946	0.3089	0.22
SeTCHr	33	0.6070	0.4893	0.6884	-0.0741	0.5375	0.4449	0.23
MeTCHr	33	0.5952	0.5025	0.7529	-0.0323	0.6076	0.5125	0.35
ReCCSp	34	0.2192	0.4122	0.1734	0.5685	0.3879	0.4598	0.54
BeCCSp	34	-0.0883	0.1192	-0.2225	0.4237	-0.0007	0.1155	0.23
SeCCSp	34	-0.0479	0.2283	-0.0151	0.7128	0.2779	0.3865	0.47
MeCCSp	34	0.0297	0.2744	-0.0323	0.6114	0.2316	0.3406	0.44
ReCCSr	35	0.0054	0.2026	-0.0101	0.4341	0.1913	0.2485	0.34
BeCCSr	35	-0.0129	0.1857	-0.1464	0.4820	0.0818	0.1754	0.28
SeCCSr	35	0.1340	0.3546	0.2068	0.5875	0.4127	0.4804	0.57
MeCCSr	35	0.0475	0.2729	0.0143	0.5544	0.2479	0.3300	0.43
ReTSHp	36	0.6376	0.6467	0.7899	0.3159	0.7798	0.7202	0.64
BeTSHp	36	0.3869	0.4270	0.4379	0.0565	0.3841	0.3520	0.36
SeTSHp	36	0.3445	0.4136	0.5129	0.2645	0.5299	0.5088	0.39
MeTSHp	36	0.5511	0.5966	0.6909	0.2385	0.6665	0.6206	0.55
ReTSHr	37	0.6207	0.6528	0.7852	0.3066	0.7690	0.7069	0.60
BeTSHr	37	0.4067	0.3803	0.5166	0.0047	0.4387	0.3898	0.34
SeTSHr	37	0.6356	0.5970	0.7325	0.1267	0.6569	0.5901	0.41
MeTSHr	37	0.6082	0.5952	0.7426	0.1582	0.6800	0.6149	0.49
ReGYOTp	38	0.5825	0.6323	0.7007	0.3919	0.7408	0.7092	0.66
BeGYOTp	38	0.3163	0.3944	0.3424	0.1345	0.3395	0.3354	0.36
SeGYOTp	38	0.2869	0.4122	0.4384	0.3918	0.5221	0.5299	0.44
MeGYOTp	38	0.4756	0.5724	0.5831	0.3449	0.6242	0.6119	0.58
ReGYOTr	39	0.5482	0.6162	0.6949	0.3184	0.7069	0.6636	0.62
BeGYOTr	39	0.1939	0.2098	0.2159	0.0269	0.2056	0.1935	0.20
SeGYOTr	39	0.5451	0.5617	0.5891	0.1815	0.5668	0.5331	0.45
MeGYOTr	39	0.4710	0.5066	0.5459	0.1875	0.5373	0.5050	0.46
ReFIBRp	40	0.3262	0.2253	0.4371	-0.1011	0.3065	0.2055	0.01
BeFIBRp	40	0.3014	0.1669	0.3833	-0.1938	0.2289	0.1402	0.02
SeFIBRp	40	0.2695	0.2347	0.4298	0.0424	0.3552	0.3046	0.26
MeFIBRp	40	0.3194	0.2199	0.4419	-0.0981	0.3115	0.2250	0.10
ReFIBRr	41	0.3896	0.2456	0.4871	-0.0982	0.3406	0.2490	0.07
BeFIBRr	41	0.3244	0.1928	0.4268	-0.1962	0.2599	0.1643	0.09
SeFIBRr	41	0.3007	0.2001	0.4700	0.0000	0.3000	0.2000	0.00
MeFIBRr	41	0.3000	0.2000	0.4700	0.0000	0.3000	0.2000	0.00

Table 73 continued 5/16

Character in trial Te		Trial Ts, PR crop						
		BsG_Bpr	BsGBpr	SsTCHpr	SsCCSpr	SsTSHpr	SsGYOTpr	SsSEL7
ReSEL7p	42	0.5419	0.4620	0.6515	0.0304	0.5393	0.5041	0.50
BeSEL7p	42	0.4827	0.4298	0.5052	-0.0270	0.3996	0.3676	0.36
SeSEL7p	42	0.4846	0.5185	0.4870	0.1207	0.4494	0.4220	0.49
MeSEL7p	42	0.5838	0.5445	0.6324	0.0416	0.5316	0.4948	0.52
ReSEL7r	43	0.5836	0.6900	0.6843	0.4275	0.7362	0.7198	0.70
BeSEL7r	43	0.5773	0.6740	0.6633	0.4381	0.7152	0.6987	0.61
SeSEL7r	43	0.6355	0.6223	0.7942	0.3031	0.7668	0.7229	0.58
MeSEL7r	43	0.6574	0.7268	0.7839	0.4275	0.8118	0.7836	0.69
ReSEL8p	44	0.4943	0.3687	0.5393	-0.0525	0.4110	0.3630	0.31
BeSEL8p	44	0.3351	0.3173	0.3240	0.0434	0.2816	0.2918	0.32
SeSEL8p	44	0.5102	0.5390	0.5639	0.1445	0.5264	0.4974	0.59
MeSEL8p	44	0.5249	0.4788	0.5535	0.0508	0.4717	0.4497	0.48
ReSEL8r	45	0.5661	0.6917	0.7120	0.4934	0.7862	0.7527	0.70
BeSEL8r	45	0.5560	0.6734	0.5797	0.4309	0.6482	0.6540	0.60
SeSEL8r	45	0.6410	0.6518	0.7742	0.3091	0.7575	0.7110	0.56
MeSEL8r	45	0.6542	0.7479	0.7653	0.4561	0.8116	0.7845	0.69
ReSEL10p	46	0.3172	0.2478	0.2773	-0.1152	0.1742	0.1416	0.21
BeSEL10p	46	0.3753	0.3639	0.3753	0.0564	0.3269	0.3092	0.30
SeSEL10p	46	0.3748	0.2859	0.3323	-0.0692	0.2400	0.2066	0.21
MeSEL10p	46	0.4452	0.3868	0.4185	-0.0256	0.3272	0.2954	0.31
ReS10r	47	0.5712	0.6032	0.7315	0.3238	0.7363	0.6900	0.58
BeS10r	47	0.4818	0.4968	0.5971	0.1459	0.5526	0.5069	0.43
SeS10r	47	0.2641	0.3262	0.5019	0.1089	0.4595	0.4183	0.30
MeS10r	47	0.5199	0.5639	0.7266	0.2218	0.6908	0.6373	0.52
ReWSp	48	0.2216	0.3183	0.3771	0.3631	0.4539	0.4428	0.27
BeWSp	48	0.2739	0.4281	0.4352	0.4651	0.5400	0.5359	0.39
SeWSp	48	0.2911	0.3638	0.4946	0.2540	0.5057	0.4728	0.27
MeWSp	48	0.2816	0.4003	0.4671	0.3959	0.5396	0.5233	0.34
ReWSr	49	0.4021	0.5505	0.4966	0.5726	0.6286	0.6382	0.58
BeWSr	49	0.1977	0.2994	0.4081	0.3128	0.4594	0.4508	0.41
SeWSr	49	0.2947	0.3178	0.3967	0.1327	0.3788	0.3274	0.15
MeWSr	49	0.3419	0.4451	0.4954	0.3859	0.5577	0.5381	0.43
ReSTp	50	0.3984	0.2345	0.4105	-0.2192	0.2461	0.1698	0.20
BeSTp	50	0.2323	0.0453	0.1762	-0.5423	-0.0719	-0.1496	-0.06
SeSTp	50	0.0839	-0.0383	0.0451	-0.2819	-0.0737	-0.1111	-0.05
MeSTp	50	0.2887	0.1009	0.2566	-0.4150	0.0442	-0.0325	0.03
ReSTr	51	0.3944	0.2521	0.5011	-0.2245	0.3214	0.2300	0.12
BeSTr	51	0.2850	0.1163	0.3005	-0.3569	0.1121	0.0397	-0.01
SeSTr	51	0.3965	0.2590	0.4135	-0.1610	0.2772	0.2226	0.13

Table 73 continued 6/16

Character in trial Te		Trial Ts, PR crop						
		BsG_Bpr	BsGBpr	SsTCHpr	SsCCSpr	SsTSHpr	SsGYOTpr	SsSEL7
ReBRIXr	53	0.2817	0.5250	0.3998	0.8410	0.6721	0.7319	0.72
BeBRIXr	53	0.2599	0.4581	0.2342	0.6027	0.4423	0.4903	0.55
SeBRIXr	53	0.2639	0.4883	0.3722	0.8351	0.6300	0.7059	0.72
MeBRIXr	53	0.3027	0.5521	0.3736	0.8512	0.6497	0.7187	0.74
ReHARDp	54	0.1490	0.0445	0.3300	-0.1737	0.1794	0.1072	0.09
BeHARDp	54	-0.0373	-0.0779	0.1334	-0.1751	0.0264	-0.0246	0.02
SeHARDp	54	-0.0227	-0.0069	0.1052	-0.0459	0.0528	0.0035	0.06
MeHARDp	54	0.0280	-0.0186	0.2052	-0.1469	0.0914	0.0282	0.06
ReHARDr	55	0.0227	-0.0542	0.1752	-0.2251	0.0337	-0.0509	-0.14
BeHARDr	55	-0.0384	-0.0576	0.1445	-0.1364	0.0603	-0.0081	0.04
SeHARDr	55	0.1646	0.1728	0.3921	0.0924	0.3514	0.2881	0.29
MeHARDr	55	0.0516	0.0208	0.2594	-0.0979	0.1627	0.0836	0.07
RevisGp	56	0.6737	0.5910	0.7493	0.0912	0.6380	0.5806	0.55
BevisGp	56	0.3710	0.3146	0.3892	-0.1005	0.2779	0.2403	0.24
SevisGp	56	0.5316	0.5474	0.5593	0.0837	0.5011	0.4576	0.53
MevisGp	56	0.6128	0.5606	0.6600	0.0187	0.5463	0.4920	0.51
RevisGr	57	0.6154	0.6867	0.7883	0.4173	0.8169	0.7674	0.66
BevisGr	57	0.6462	0.6899	0.7373	0.3048	0.7277	0.6846	0.59
SevisGr	57	0.6380	0.6632	0.8162	0.3547	0.8073	0.7575	0.58
MevisGr	57	0.6732	0.7226	0.8320	0.3830	0.8357	0.7851	0.65
ReSTVp	58	-0.1525	-0.2487	-0.1590	-0.4725	-0.3131	-0.3809	-0.28
BeSTVp	58	0.2294	0.1934	0.1520	-0.1348	0.0530	0.0557	0.12
SeSTVp	58	0.4671	0.5086	0.2476	0.3767	0.3480	0.4182	0.41
MeSTVp	58	0.2805	0.2225	0.1178	-0.1702	0.0193	0.0158	0.11
ReSTVr	59	0.1390	-0.0907	0.1558	-0.6943	-0.1580	-0.2677	-0.26
BeSTVr	59	0.4406	0.2761	0.3757	-0.1848	0.2271	0.1912	0.10
SeSTVr	59	0.4845	0.3922	0.3456	0.0216	0.2890	0.2656	0.18
MeSTVr	59	0.5023	0.2984	0.4061	-0.3173	0.1985	0.1313	0.05
ReBRVp	60	-0.2437	-0.2172	-0.3536	-0.0405	-0.3031	-0.2833	-0.31
BeBRVp	60	0.0977	0.2094	0.1276	0.1735	0.1687	0.1587	0.21
SeBRVp	60	0.1915	0.0841	0.0953	-0.0408	0.0459	0.0145	-0.15
MeBRVp	60	0.0284	0.0350	-0.0737	0.0401	-0.0548	-0.0674	-0.15
ReBRVr	61	-0.0649	-0.0592	-0.0077	0.1266	0.0236	0.0426	0.02
BeBRVr	61	-0.0981	-0.0458	-0.2385	-0.0509	-0.2019	-0.1729	-0.20
SeBRVr	61	-0.7026	-0.6838	-0.6325	-0.2539	-0.6091	-0.5961	-0.52
MeBRVr	61	-0.4995	-0.4500	-0.5238	-0.1080	-0.4684	-0.4308	-0.41
ReGVARp	62	-0.2095	-0.2316	-0.4080	-0.1747	-0.4069	-0.3660	-0.28
BeGVARp	62	0.1850	0.3061	0.1073	0.4268	0.2503	0.3152	0.21
SeGVARp	62	0.0657	0.0633	0.1122	0.0890	0.1254	0.1187	0.04
MeGVARp	62	0.0529	0.1318	-0.1012	0.2737	0.0173	0.0884	0.01

Table 73 continued 7/16

Character in trial Te		Trial Ts, PR crop						
		SsSEL8pr	SsS10pr	SsS7plr	SsS8plr	SsS10plr	SsWSpr	SsST
ReTCHp	32	0.4803	0.4967	0.4827	0.4518	0.3859	0.4187	0.42
BeTCHp	32	0.3000	0.3758	0.3219	0.2148	0.3375	-0.0391	0.48
SeTCHp	32	0.2595	0.2725	0.2344	0.2715	0.1401	0.2234	0.33
MeTCHp	32	0.4145	0.4617	0.4174	0.3669	0.3561	0.2156	0.50
ReTCHr	33	0.4328	0.3232	0.4624	0.3983	0.2185	0.0429	0.71
BeTCHr	33	0.2099	0.3798	0.2211	0.2311	0.3015	-0.2533	0.69
SeTCHr	33	0.2519	0.3043	0.2406	0.2597	0.1756	0.0119	0.66
MeTCHr	33	0.3253	0.3705	0.3357	0.3240	0.2563	-0.0764	0.76
ReCCSp	34	0.6245	0.5170	0.6323	0.5650	0.4805	0.1584	-0.00
BeCCSp	34	0.3694	0.2658	0.3433	0.2636	0.2245	0.1394	-0.34
SeCCSp	34	0.4816	0.1518	0.5242	0.3691	0.1811	0.2212	-0.21
MeCCSp	34	0.5366	0.3496	0.5422	0.4353	0.3283	0.1863	-0.20
ReCCSr	35	0.4034	0.2483	0.4494	0.3474	0.2518	0.1649	-0.12
BeCCSr	35	0.3323	0.0656	0.3576	0.1919	0.0671	0.1177	-0.25
SeCCSr	35	0.5917	0.3743	0.6247	0.5504	0.3655	0.2791	-0.06
MeCCSr	35	0.4837	0.2426	0.5203	0.3922	0.2408	0.2043	-0.16
ReTSHp	36	0.6424	0.6267	0.6448	0.5957	0.5164	0.4214	0.36
BeTSHp	36	0.4126	0.4435	0.4256	0.2998	0.3961	0.0025	0.35
SeTSHp	36	0.4403	0.3279	0.4292	0.4082	0.2059	0.2918	0.24
MeTSHp	36	0.5966	0.5687	0.6002	0.5134	0.4623	0.2632	0.39
ReTSHr	37	0.5267	0.3752	0.5674	0.4759	0.2726	0.0892	0.66
BeTSHr	37	0.3544	0.4106	0.3777	0.3178	0.3354	-0.2241	0.62
SeTSHr	37	0.4383	0.4217	0.4360	0.4325	0.2892	0.1149	0.61
MeTSHr	37	0.4805	0.4410	0.5023	0.4474	0.3270	-0.0046	0.69
ReGYOTp	38	0.6934	0.6481	0.6985	0.6306	0.5557	0.3817	0.30
BeGYOTp	38	0.4409	0.4447	0.4496	0.3089	0.3984	0.0053	0.25
SeGYOTp	38	0.4936	0.3150	0.4921	0.4346	0.2052	0.2931	0.16
MeGYOTp	38	0.6448	0.5724	0.6505	0.5378	0.4786	0.2479	0.29
ReGYOTr	39	0.5763	0.4289	0.6317	0.5346	0.3592	0.0291	0.61
BeGYOTr	39	0.2358	0.2158	0.2716	0.1965	0.1882	-0.2416	0.35
SeGYOTr	39	0.5060	0.4347	0.5132	0.5173	0.3457	0.0823	0.50
MeGYOTr	39	0.4820	0.3971	0.5176	0.4567	0.3285	-0.0544	0.54
ReFIBRp	40	-0.0680	0.0432	-0.0789	0.0538	-0.0579	0.2552	0.25
BeFIBRp	40	-0.0514	0.1375	-0.0682	0.1137	0.0669	0.1831	0.24
SeFIBRp	40	0.1929	0.2859	0.1837	0.2831	0.2528	0.2304	0.26
MeFIBRp	40	0.0182	0.1615	0.0048	0.1548	0.0877	0.2353	0.26
ReFIBRr	41	-0.0570	-0.0049	-0.0474	0.0205	-0.0803	0.1164	0.39
BeFIBRr	41	-0.0164	0.0630	-0.0011	0.0936	0.0577	0.0684	0.37

Table 73 continued 8/16

Character in trial Te		Trial Ts, PR crop						SsWSPr	SsST
		SsSEL8pr	SsS10pr	SsS7p1r	SsS8p1r	SsS10p1r			
ReSEL7p	42	0.5555	0.6438	0.5169	0.5802	0.6140	-0.0704	0.58	
BeSEL7p	42	0.4321	0.4877	0.4100	0.4059	0.5047	0.0796	0.35	
SeSEL7p	42	0.5237	0.3685	0.5108	0.4198	0.3334	0.2013	0.28	
MeSEL7p	42	0.5792	0.5786	0.5511	0.5376	0.5636	0.0862	0.46	
ReSEL7r	43	0.6349	0.4961	0.6414	0.5509	0.3710	0.0694	0.55	
BeSEL7r	43	0.5176	0.3940	0.5608	0.3741	0.2781	0.2875	0.39	
SeSEL7r	43	0.5202	0.4402	0.5297	0.4435	0.3273	0.0665	0.68	
MeSEL7r	43	0.6123	0.4870	0.6338	0.5012	0.3576	0.1542	0.60	
ReSEL8p	44	0.3810	0.4783	0.3308	0.3458	0.4310	-0.0309	0.43	
BeSEL8p	44	0.4481	0.4752	0.4132	0.3803	0.5262	0.0679	0.18	
SeSEL8p	44	0.6652	0.5325	0.6419	0.5832	0.5022	0.2215	0.34	
MeSEL8p	44	0.5928	0.5991	0.5485	0.5175	0.5980	0.0969	0.37	
ReSEL8r	45	0.6099	0.5151	0.6374	0.5546	0.3764	0.2367	0.47	
BeSEL8r	45	0.5640	0.4409	0.5947	0.4005	0.3330	0.2675	0.33	
SeSEL8r	45	0.5232	0.4662	0.5304	0.4345	0.3386	0.0889	0.64	
MeSEL8r	45	0.6288	0.5266	0.6530	0.5134	0.3882	0.2197	0.53	
ReSEL10p	46	0.2643	0.2944	0.2207	0.2070	0.2477	-0.0680	0.23	
BeSEL10p	46	0.4145	0.5501	0.3940	0.3835	0.5605	0.2039	0.15	
SeSEL10p	46	0.3443	0.4560	0.2729	0.3358	0.3303	0.3172	0.02	
MeSEL10p	46	0.4418	0.5692	0.3918	0.4036	0.5173	0.2104	0.17	
ReS10r	47	0.4676	0.5796	0.5185	0.4709	0.4128	0.1098	0.58	
BeS10r	47	0.4629	0.5611	0.4556	0.3401	0.4567	0.1860	0.40	
SeS10r	47	0.2773	0.2780	0.2826	0.2395	0.1616	-0.1394	0.54	
MeS10r	47	0.4815	0.5635	0.4981	0.4129	0.4108	0.0602	0.61	
ReWSp	48	0.2712	0.2945	0.2272	0.1759	0.1629	0.7533	-0.24	
BeWSp	48	0.4021	0.2990	0.3845	0.2156	0.1338	0.5610	-0.05	
SeWSp	48	0.3315	0.2440	0.2467	0.2363	0.0684	0.5635	-0.00	
MeWSp	48	0.3624	0.3033	0.3119	0.2245	0.1342	0.6779	-0.11	
ReWSr	49	0.5404	0.3298	0.5233	0.3937	0.2385	0.6723	-0.09	
BeWSr	49	0.4485	0.4787	0.3972	0.3510	0.3502	0.5032	-0.05	
SeWSr	49	0.2636	0.2831	0.1700	0.1834	0.1035	0.6355	-0.12	
MeWSr	49	0.4748	0.4131	0.4128	0.3515	0.2605	0.6911	-0.10	
ReSTp	50	0.1673	0.1295	0.2099	0.2167	0.1539	-0.3799	0.66	
BeSTp	50	-0.0600	0.1094	-0.0229	0.0225	0.2303	-0.5544	0.57	
SeSTp	50	-0.0829	0.0085	-0.0178	0.0297	0.0669	-0.3574	0.35	
MeSTp	50	0.0139	0.1015	0.0696	0.1080	0.1824	-0.5119	0.63	
ReSTr	51	0.0616	0.0890	0.1002	0.1293	0.0513	-0.4524	0.84	
BeSTr	51	-0.0512	0.0800	-0.0130	0.0319	0.0979	-0.5621	0.72	
SeSTr	51	0.0754	0.1124	0.1319	0.1421	0.1247	-0.4593	0.77	
MeSTr	51	0.0308	0.0981	0.0774	0.1063	0.0957	-0.5114	0.81	

Table 73 continued 9/16

Character in trial Te		Trial Ts, PR crop						
		SsSEL8pr	SsS10pr	SsS7plr	SsS8plr	SsS10plr	SsWSpr	SsST
ReBRIXr	53	0.6471	0.4744	0.6661	0.6286	0.3606	0.3666	0.05
BeBRIXr	53	0.5264	0.3585	0.5112	0.4394	0.2387	0.4744	-0.13
SeBRIXr	53	0.6265	0.3400	0.6485	0.5226	0.3183	0.3802	0.02
MeBRIXr	53	0.6744	0.4369	0.6831	0.5923	0.3415	0.4640	-0.02
ReHARDp	54	0.0537	0.0869	0.0569	0.0708	0.1306	0.2256	0.14
BeHARDp	54	-0.0204	0.0078	0.0141	-0.0042	0.0701	0.1834	0.00
SeHARDp	54	-0.0444	-0.1453	0.0092	-0.0241	-0.0582	0.2054	0.00
MeHARDp	54	-0.0058	-0.0192	0.0286	0.0140	0.0523	0.2255	0.05
ReHARDr	55	-0.2692	-0.3650	-0.2159	-0.2261	-0.3105	0.2329	0.02
BeHARDr	55	-0.0861	-0.1129	-0.0263	-0.0125	-0.0403	0.1608	0.05
SeHARDr	55	0.1254	0.0860	0.1846	0.1598	0.1387	0.2864	0.17
MeHARDr	55	-0.0805	-0.1379	-0.0169	-0.0237	-0.0711	0.2473	0.09
RevisGp	56	0.5553	0.5870	0.5493	0.5576	0.5350	0.0948	0.55
BevisGp	56	0.3439	0.4314	0.3337	0.3060	0.4565	0.0694	0.26
SevisGp	56	0.5882	0.4770	0.5777	0.5148	0.4433	0.2093	0.35
MevisGp	56	0.5741	0.5878	0.5636	0.5325	0.5673	0.1405	0.45
RevisGr	57	0.5725	0.4681	0.5928	0.5018	0.3150	0.2019	0.56
BevisGr	57	0.5417	0.4612	0.5776	0.4046	0.3542	0.2278	0.51
SevisGr	57	0.5047	0.4093	0.5168	0.4294	0.2701	0.1893	0.61
MevisGr	57	0.5732	0.4735	0.5969	0.4743	0.3311	0.2186	0.59
ReSTVp	58	-0.2701	-0.2775	-0.2600	-0.3675	-0.2545	-0.2019	0.03
BeSTVp	58	0.1140	0.1388	0.1153	0.1010	0.2342	-0.1633	0.28
SeSTVp	58	0.4413	0.3501	0.4385	0.4150	0.2837	0.1109	0.14
MeSTVp	58	0.1291	0.0910	0.1346	0.0481	0.1245	-0.1589	0.26
ReSTVr	59	-0.3052	-0.1962	-0.2660	-0.2411	-0.1140	-0.3013	0.39
BeSTVr	59	0.1839	0.4809	0.1269	0.2041	0.4197	-0.1558	0.45
SeSTVr	59	0.1169	0.1270	0.1651	0.1241	0.1010	-0.1875	0.52
MeSTVr	59	0.0371	0.2157	0.0502	0.0726	0.2033	-0.2749	0.62
ReBRVp	60	-0.2932	-0.3093	-0.3695	-0.3605	-0.3861	0.1247	-0.41
BeBRVp	60	0.1208	-0.1503	0.1729	0.0578	-0.0956	-0.0292	0.11
SeBRVp	60	-0.1191	-0.0580	-0.1582	-0.1245	-0.1451	0.3324	-0.18
MeBRVp	60	-0.1705	-0.2783	-0.2094	-0.2419	-0.3445	0.2499	-0.27
ReBRVr	61	-0.0495	-0.0359	0.0068	-0.0995	0.0125	0.1064	-0.12
BeBRVr	61	-0.1164	-0.0743	-0.1636	-0.0813	-0.0635	0.1585	-0.32
SeBRVr	61	-0.4531	-0.3802	-0.4724	-0.3534	-0.3492	-0.1939	-0.39
MeBRVr	61	-0.3625	-0.2851	-0.3744	-0.3099	-0.2335	0.0573	-0.51
ReGVARp	62	-0.2337	-0.2201	-0.2735	-0.3674	-0.2222	-0.2370	-0.25
BeGVARp	62	0.2579	0.2030	0.2358	0.2252	0.2150	0.2931	-0.10
SeGVARp	62	0.1016	0.2365	0.0555	0.0367	0.0528	0.3476	-0.20
MeGVARp	62	0.1146	0.1553	0.0477	-0.0276	0.0612	0.2766	-0.34

Table 73 continued 10/16

Character in trial Te		Trial Ts, PR crop						
		SsHARDpr	SsvisGpr	SsSTVpr	SsBRVpr	SsGVARpr	SsBRVp1r	SsSTVp
ReTCHp	32	0.3091	0.5653	0.1550	-0.1585	0.2185	-0.1095	0.15
BeTCHp	32	0.1524	0.3527	0.3632	0.0482	0.1241	0.0750	0.34
SeTCHp	32	0.3448	0.2842	0.3446	0.0398	0.2299	0.1367	0.34
MeTCHp	32	0.3081	0.4804	0.3514	-0.0230	0.2210	0.0416	0.34
ReTCHr	33	0.3338	0.6361	0.3821	-0.5319	0.1036	-0.4031	0.36
BeTCHr	33	0.1914	0.3645	0.6603	-0.4725	0.0291	-0.3301	0.64
SeTCHr	33	0.2296	0.3981	0.5042	-0.4097	0.0821	-0.2936	0.49
MeTCHr	33	0.2751	0.5097	0.5717	-0.5182	0.0779	-0.3759	0.55
ReCCSp	34	-0.5581	0.4620	-0.2112	-0.1887	0.5439	-0.2363	-0.28
BeCCSp	34	-0.5624	0.1253	-0.4084	0.0900	0.4035	0.0427	-0.42
SeCCSp	34	-0.3455	0.3683	-0.5241	-0.1619	0.2883	-0.2066	-0.54
MeCCSp	34	-0.5486	0.3397	-0.4129	-0.0841	0.4596	-0.1354	-0.45
ReCCSr	35	-0.3684	0.2587	-0.1704	-0.1127	0.3220	-0.1733	-0.18
BeCCSr	35	-0.5054	0.1684	-0.3733	-0.0829	0.1952	-0.1441	-0.42
SeCCSr	35	-0.3277	0.4949	-0.3718	-0.2020	0.4038	-0.1676	-0.39
MeCCSr	35	-0.4459	0.3355	-0.3500	-0.1450	0.3301	-0.1752	-0.38
ReTSHp	36	0.0626	0.6558	0.0627	-0.2034	0.3908	-0.1812	0.03
BeTSHp	36	-0.0506	0.3809	0.2086	0.0775	0.2607	0.0864	0.17
SeTSHp	36	0.1782	0.4174	0.1387	-0.0266	0.3418	0.0494	0.12
MeTSHp	36	0.0586	0.5792	0.1705	-0.0518	0.3918	-0.0140	0.14
ReTSHr	37	0.2359	0.6887	0.3265	-0.5482	0.1873	-0.4395	0.30
BeTSHr	37	-0.0171	0.4473	0.5240	-0.5041	0.1061	-0.3820	0.48
SeTSHr	37	0.1047	0.5431	0.3658	-0.4532	0.2219	-0.3346	0.34
MeTSHr	37	0.1171	0.6110	0.4429	-0.5474	0.1891	-0.4199	0.41
ReGYOTp	38	-0.0957	0.6603	-0.0041	-0.1997	0.4336	-0.1905	-0.03
BeGYOTp	38	-0.1786	0.3629	0.1092	0.0768	0.2869	0.0712	0.07
SeGYOTp	38	0.0309	0.4351	0.0193	-0.0497	0.3534	0.0084	-0.00
MeGYOTp	38	-0.1144	0.5757	0.0568	-0.0590	0.4226	-0.0398	0.02
ReGYOTr	39	0.00871	0.6788	0.3457	-0.4436	0.2473	-0.3287	0.32
BeGYOTr	39	-0.2465	0.2470	0.3942	-0.3845	0.0484	-0.3012	0.34
SeGYOTr	39	-0.0497	0.5383	0.2914	-0.3964	0.3279	-0.2565	0.26
MeGYOTr	39	-0.0877	0.5333	0.3848	-0.4542	0.2285	-0.3287	0.34
ReFIBRp	40	0.5379	0.1155	0.2260	-0.1087	0.0841	-0.0894	0.22
BeFIBRp	40	0.5389	0.1199	0.2862	-0.0266	0.1329	0.0539	0.29
SeFIBRp	40	0.6200	0.3390	0.0731	-0.1385	0.2898	-0.0786	0.11
MeFIBRp	40	0.5998	0.1968	0.2152	-0.0929	0.1751	-0.0351	0.23
ReFIBRr	41	0.6676	0.1871	0.3235	-0.3118	-0.0471	-0.2387	0.37
BeFIBRr	41	0.6675	0.1904	0.2938	0.0324	0.0388	0.1097	0.32

Table 73 continued 11/16

Character in trial Te		Trial Ts, PR crop						
		SsHARDpr	SsvisGpr	SsSTVpr	SsBRVpr	SsGVARpr	SsBRVplr	SsSTVpr
ReSEL7p	42	0.0654	0.5462	0.3493	0.1300	0.4581	0.2412	0.30
BeSEL7p	42	0.0942	0.4031	0.2053	0.1310	0.3516	0.1740	0.17
SeSEL7p	42	0.2906	0.5159	0.0368	-0.0713	0.3754	0.0588	-0.00
MeSEL7p	42	0.1714	0.5597	0.2272	0.0790	0.4549	0.1840	0.18
ReSEL7r	43	0.0888	0.7325	0.1552	-0.6357	0.3078	-0.5698	0.09
BeSEL7r	43	0.3439	0.6595	-0.0210	-0.5346	0.1742	-0.5070	0.02
SeSEL7r	43	0.3215	0.7116	0.1862	-0.4811	0.1726	-0.3639	0.19
MeSEL7r	43	0.2754	0.7699	0.1179	-0.6044	0.2398	-0.5271	0.11
ReSEL8p	44	-0.0458	0.3648	0.2604	0.1642	0.2689	0.2486	0.20
BeSEL8p	44	-0.0517	0.3187	0.0758	0.2531	0.3930	0.2578	0.07
SeSEL8p	44	0.2022	0.6154	0.0357	-0.0495	0.4481	0.0923	0.01
MeSEL8p	44	0.0230	0.5032	0.1474	0.1757	0.4511	0.2561	0.12
ReSEL8r	45	0.1469	0.7326	0.0404	-0.6163	0.3532	-0.6080	0.00
BeSEL8r	45	0.1903	0.6420	-0.0444	-0.4200	0.2186	-0.3657	-0.00
SeSEL8r	45	0.1908	0.6750	0.2215	-0.4987	0.2194	-0.4426	0.21
MeSEL8r	45	0.1965	0.7592	0.0806	-0.5670	0.2916	-0.5223	0.08
ReSEL10p	46	-0.1216	0.1692	0.2156	0.1995	0.1999	0.2424	0.20
BeSEL10p	46	-0.0283	0.3012	0.0960	0.2628	0.4872	0.1996	0.09
SeSEL10p	46	0.0129	0.2158	0.0218	0.1991	0.4490	0.3123	0.00
MeSEL10p	46	-0.0481	0.3021	0.1278	0.2828	0.5019	0.2984	0.11
ReS10r	47	0.1298	0.6748	0.2202	-0.5046	0.1573	-0.4205	0.26
BeS10r	47	0.1023	0.5283	0.0796	-0.3555	0.1629	-0.3382	0.10
SeS10r	47	0.0456	0.3711	0.3702	-0.2918	0.0999	-0.2623	0.31
MeS10r	47	0.1089	0.6214	0.2678	-0.4535	0.1679	-0.4043	0.26
ReWSp	48	0.2803	0.2442	-0.4660	0.0772	0.2083	-0.0564	-0.38
BeWSp	48	0.1345	0.3764	-0.3557	-0.0329	0.2254	-0.1189	-0.31
SeWSp	48	0.1667	0.2684	-0.2539	0.0969	0.2276	0.0359	-0.24
MeWSp	48	0.2099	0.3221	-0.3922	0.0473	0.2376	-0.0552	-0.34
ReWSr	49	0.1648	0.5381	-0.4911	-0.2498	0.3074	-0.2807	-0.49
BeWSr	49	0.0714	0.3843	-0.2773	-0.0734	0.3572	-0.1094	-0.26
SeWSr	49	-0.0694	0.1754	-0.3408	-0.0460	0.2236	-0.1080	-0.38
MeWSr	49	0.0621	0.4158	-0.4233	-0.1405	0.3365	-0.1899	-0.43
ReSTp	50	0.0042	0.2796	0.6267	-0.2161	-0.0488	-0.0500	0.55
BeSTp	50	0.0640	0.0274	0.7094	0.0805	-0.0863	0.1861	0.65
SeSTp	50	0.1918	0.0159	0.6191	-0.0593	-0.0113	0.1013	0.60
MeSTp	50	0.0957	0.1307	0.7689	-0.0750	-0.0599	0.0931	0.70
ReSTr	51	0.2503	0.2891	0.7384	-0.4118	-0.1340	-0.2478	0.72
BeSTr	51	0.1491	0.1405	0.7843	-0.4185	-0.1750	-0.2625	0.76
SeSTr	51	0.2818	0.2896	0.7492	-0.3871	-0.0796	-0.2328	0.77
MeSTr	51	0.2378	0.2511	0.7893	-0.4227	-0.1341	-0.2579	0.78

Table 73 continued 12/16

Character in trial Te	Trial Ts, PR crop							
	SsHARDpr	SsvisGpr	SsSTVpr	SsBRVpr	SsGVARpr	SsBRVp1r	SsSTVp1r	
ReBRIXr	53	-0.1785	0.6393	-0.2727	-0.3660	0.5210	-0.4318	-0.32
BeBRIXr	53	-0.0966	0.4765	-0.4783	-0.4435	0.3993	-0.5022	-0.49
SeBRIXr	53	0.0220	0.6672	-0.5564	-0.4112	0.3425	-0.4483	-0.55
MeBRIXr	53	-0.0904	0.6672	-0.5028	-0.4632	0.4700	-0.5236	-0.52
ReHARDp	54	0.7097	0.1196	0.0749	0.2320	0.1320	0.2151	0.10
BeHARDp	54	0.7364	0.0203	0.1017	0.3925	0.1301	0.4078	0.18
SeHARDp	54	0.6469	0.0528	-0.0293	0.0880	0.0805	0.0429	-0.00
MeHARDp	54	0.7742	0.0683	0.0563	0.2699	0.1269	0.2541	0.10
ReHARDr	55	0.8010	-0.1101	0.0612	0.0592	-0.2192	0.0471	0.11
BeHARDr	55	0.7074	0.0656	0.0541	-0.0418	-0.0428	-0.0223	0.10
SeHARDr	55	0.7181	0.3401	-0.0992	-0.1309	-0.0000	-0.1220	-0.03
MeHARDr	55	0.8165	0.1122	0.0067	-0.0442	-0.0914	-0.0372	0.00
RevisGp	56	0.1603	0.5890	0.2788	-0.0537	0.4285	0.0330	0.25
BevisGp	56	0.0444	0.2620	0.2475	0.3040	0.3205	0.3075	0.23
SevisGp	56	0.2339	0.5589	0.1022	-0.0659	0.3998	0.0642	0.08
MevisGp	56	0.1630	0.5400	0.2556	0.0943	0.4494	0.1743	0.23
RevisGr	57	0.1641	0.7245	0.1488	-0.6176	0.2187	-0.5451	0.10
BevisGr	57	0.2901	0.6797	0.1216	-0.5366	0.1443	-0.4708	0.15
SevisGr	57	0.2877	0.6958	0.1179	-0.5021	0.1610	-0.4268	0.11
MevisGr	57	0.2627	0.7449	0.1377	-0.5866	0.1863	-0.5107	0.13
ReSTVp	58	-0.0136	-0.2644	0.1748	0.1574	-0.4732	0.2089	0.19
BeSTVp	58	0.3734	0.1769	0.0836	-0.0919	0.1213	-0.0613	0.10
SeSTVp	58	-0.1585	0.4135	-0.0311	-0.2759	0.3546	-0.1398	-0.01
MeSTVp	58	0.1204	0.1538	0.1388	-0.0995	-0.0371	0.0207	0.16
ReSTVr	59	0.4665	-0.1309	0.4985	-0.1428	-0.3346	0.0231	0.48
BeSTVr	59	-0.0424	0.2325	0.2819	-0.2195	0.1986	-0.2006	0.26
SeSTVr	59	0.1426	0.2903	0.4055	-0.5030	-0.0511	-0.4431	0.46
MeSTVr	59	0.2196	0.2112	0.5155	-0.4128	-0.0544	-0.3145	0.53
ReBRVp	60	-0.1233	-0.3424	-0.2638	0.2060	-0.2683	0.1758	-0.25
BeBRVp	60	0.0720	0.1363	0.0139	0.0518	-0.0488	0.0237	0.00
SeBRVp	60	-0.1965	-0.1529	-0.0490	0.0691	0.0195	0.0131	-0.15
MeBRVp	60	-0.1476	-0.2097	-0.1663	0.1793	-0.1596	0.1157	-0.23
ReBRVr	61	0.2744	0.0181	-0.2114	0.1944	0.0171	0.1749	-0.21
BeBRVr	61	-0.2191	-0.2428	-0.1989	0.4567	-0.0511	0.3842	-0.16
SeBRVr	61	-0.2554	-0.6225	0.0297	0.4521	-0.0840	0.3307	-0.00
MeBRVr	61	-0.1417	-0.5069	-0.2355	0.6737	-0.0727	0.5450	-0.23
ReGVARp	62	-0.1821	-0.3252	-0.0601	0.3782	-0.2111	0.3950	-0.02
BeGVARp	62	-0.0608	0.1911	-0.2835	-0.0555	0.3649	-0.2188	-0.26
SeGVARp	62	-0.2064	0.0035	-0.1662	0.1164	0.1331	0.1089	-0.18
MeGVARp	62	-0.2717	-0.0469	-0.3477	0.2503	0.2283	0.1301	-0.32

Table 73 continued 13/16

Character in trial Te		Trial Ts, PR crop		
		SsGVplr	SsG_Bpr	SsGBpr
ReTCHp	32	0.2052	0.7670	0.6718
BeTCHp	32	0.1379	0.5152	0.4070
SeTCHp	32	0.2506	0.6820	0.5246
MeTCHp	32	0.2297	0.7711	0.6291
ReTCHr	33	0.0916	0.8127	0.7378
BeTCHr	33	0.0112	0.5547	0.3997
SeTCHr	33	0.0738	0.6335	0.4999
MeTCHr	33	0.0638	0.7312	0.5966
ReCCSp	34	0.5171	0.1302	0.3887
BeCCSp	34	0.3758	-0.1609	0.0814
SeCCSp	34	0.2757	0.0435	0.3424
MeCCSp	34	0.4343	-0.0043	0.2862
ReCCSr	35	0.3311	0.0673	0.2882
BeCCSr	35	0.2074	-0.1397	0.1207
SeCCSr	35	0.3954	0.2589	0.4871
MeCCSr	35	0.3347	0.0593	0.3207
ReTSHp	36	0.3677	0.7111	0.7208
BeTSHp	36	0.2650	0.4317	0.4144
SeTSHp	36	0.3581	0.6664	0.6354
MeTSHp	36	0.3900	0.7068	0.6922
ReTSHr	37	0.1783	0.8136	0.7996
BeTSHr	37	0.0958	0.5033	0.4555
SeTSHr	37	0.2129	0.6922	0.6416
MeTSHr	37	0.1789	0.7323	0.6908
ReGYOTp	38	0.4038	0.6153	0.6861
BeGYOTp	38	0.2831	0.3338	0.3719
SeGYOTp	38	0.3660	0.5801	0.6222
MeGYOTp	38	0.4128	0.5892	0.6491
ReGYOTr	39	0.2564	0.7503	0.7740
BeGYOTr	39	0.0696	0.2399	0.2583
SeGYOTr	39	0.3372	0.6150	0.6261
MeGYOTr	39	0.2436	0.5840	0.6036
ReFIBRp	40	0.1295	0.4356	0.2701
BeFIBRp	40	0.1557	0.4555	0.2463
SeFIBRp	40	0.2832	0.5382	0.4353
MeFIBRp	40	0.1978	0.5048	0.3315
ReFIBRr	41	-0.0089	0.4900	0.3066
BeFIBRr	41	0.0608	0.5163	0.2955
SeFIBRr	41	-0.0022	0.4555	0.3066

Table 73 continued 14/16

Character in trial	Te	Trial Ts, PR crop		
		SsGVplr	SsG_Bpr	SsGBpr
ReSEL7p	42	0.4500	0.6050	0.4968
BeSEL7p	42	0.3731	0.5132	0.4287
SeSEL7p	42	0.3609	0.6847	0.6425
MeSEL7p	42	0.4569	0.6920	0.6007
ReSEL7r	43	0.2561	0.7050	0.7695
BeSEL7r	43	0.1133	0.6520	0.7151
SeSEL7r	43	0.1183	0.7283	0.6971
MeSEL7r	43	0.1788	0.7632	0.7984
ReSEL8p	44	0.2534	0.4408	0.3239
BeSEL8p	44	0.3957	0.3521	0.3311
SeSEL8p	44	0.4231	0.7445	0.7203
MeSEL8p	44	0.4386	0.5913	0.5292
ReSEL8r	45	0.2970	0.7156	0.7964
BeSEL8r	45	0.1540	0.6072	0.6944
SeSEL8r	45	0.1683	0.7068	0.6999
MeSEL8r	45	0.2277	0.7518	0.8112
ReSEL10p	46	0.2147	0.2669	0.1915
BeSEL10p	46	0.4777	0.3224	0.3263
SeSEL10p	46	0.4238	0.4518	0.3445
MeSEL10p	46	0.4919	0.4264	0.3686
ReS10r	47	0.0878	0.5966	0.6058
BeS10r	47	0.0768	0.5627	0.5602
SeS10r	47	0.1078	0.4173	0.3923
MeS10r	47	0.1096	0.6291	0.6205
ReWSp	48	0.1830	0.2929	0.3566
BeWSp	48	0.2130	0.4051	0.5050
SeWSp	48	0.2681	0.4442	0.4400
MeWSp	48	0.2364	0.4079	0.4687
ReWSr	49	0.2469	0.5480	0.6727
BeWSr	49	0.3237	0.4163	0.4793
SeWSr	49	0.1893	0.3090	0.3289
MeWSr	49	0.2876	0.4837	0.5623
ReSTp	50	-0.0268	0.4118	0.2637
BeSTp	50	-0.0695	0.1839	-0.0292
SeSTp	50	-0.0379	0.2418	0.0831
MeSTp	50	-0.0533	0.3292	0.1242
ReSTr	51	-0.1103	0.4662	0.2904
BeSTr	51	-0.1778	0.2864	0.1045
SeSTr	51	-0.0695	0.4162	0.2703
MeSTr	51	-0.1233	0.4070	0.2323

Table 73 continued 15/16

Character in trial Te		Trial Ts, PR crop		
		SsGVplr	SsG_Bpr	SsGBpr
ReBRIXr	53	0.4839	0.4169	0.6523
BeBRIXr	53	0.3301	0.3157	0.5250
SeBRIXr	53	0.2830	0.3521	0.6061
MeBRIXr	53	0.4063	0.4048	0.6676
ReHARDp	54	0.1780	0.3751	0.2099
BeHARDp	54	0.1623	0.3597	0.1967
SeHARDp	54	0.1392	0.2212	0.1714
MeHARDp	54	0.1768	0.3538	0.2133
ReHARDr	55	-0.1465	0.2902	0.1021
BeHARDr	55	-0.0205	0.3744	0.2352
SeHARDr	55	-0.0093	0.4698	0.3972
MeHARDr	55	-0.0611	0.4194	0.2733
RevisGp	56	0.4319	0.6941	0.5990
BevisGp	56	0.3382	0.4064	0.3185
SevisGp	56	0.3892	0.7525	0.6973
MevisGp	56	0.4551	0.7130	0.6172
RevisGr	57	0.1594	0.7668	0.7952
BevisGr	57	0.0779	0.7555	0.7621
SevisGr	57	0.1150	0.7418	0.7283
MevisGr	57	0.1259	0.8025	0.8096
ReSTVp	58	-0.4758	-0.0710	-0.1983
BeSTVp	58	0.0737	0.1905	0.1272
SeSTVp	58	0.2695	0.2706	0.3780
MeSTVp	58	-0.1102	0.2058	0.1477
ReSTVr	59	-0.3279	0.2114	-0.0840
BeSTVr	59	0.1330	0.2101	0.1063
SeSTVr	59	-0.0661	0.2426	0.2241
MeSTVr	59	-0.0897	0.2967	0.1357
ReBRVp	60	-0.2951	-0.2374	-0.2360
BeBRVp	60	-0.0017	0.1555	0.2121
SeBRVp	60	-0.0285	-0.0222	-0.0702
MeBRVp	60	-0.1791	-0.0656	-0.0650
ReBRVr	61	-0.0403	-0.1379	-0.1177
BeBRVr	61	0.0166	-0.3099	-0.2531
SeBRVr	61	-0.0285	-0.6432	-0.6224
MeBRVr	61	-0.0271	-0.6505	-0.5888
ReGVARp	62	-0.1996	-0.3392	-0.3624
BeGVARp	62	0.3517	-0.0041	0.1777
SeGVARp	62	0.0677	-0.0186	0.0059
MeGVARp	62	0.1888	-0.2185	-0.0783

Table 74. Correlations between family means in trial Ts (PR crop of Bs, P and PR crops of Ss seedlings) vs trial Te (PR crop), in order of Te types (Re, Be, Se and mean of all three).

Character in trial Te	Trial Ts							
		BsTCHpr	BsCCSpr	BsTSHpr	BsGYOTpr	BsWSpr	BsSTpr	BsHARpr
ReTCHpr	48	0.6219	0.3617	0.6063	0.5937	0.1801	0.6972	0.5000
BeTCHpr	48	0.4963	0.1214	0.4555	0.4282	0.1089	0.5451	0.2900
SeTCHpr	48	0.5394	0.1318	0.4951	0.4658	0.1321	0.6331	0.2900
MeTCHpr	48	0.6155	0.2258	0.5777	0.5517	0.1556	0.6955	0.3900
ReCCSpr	49	0.3014	0.4765	0.3854	0.4062	0.4975	-0.1276	-0.2900
BeCCSpr	49	0.1570	0.4334	0.2563	0.2892	0.5116	-0.3013	-0.3900
SeCCSpr	49	0.3022	0.6248	0.4157	0.4537	0.5015	-0.0815	-0.1900
MeCCSpr	49	0.2635	0.5415	0.3694	0.4023	0.5377	-0.1904	-0.2900
ReTSHpr	50	0.6838	0.4932	0.6959	0.6907	0.3417	0.6078	0.3900
BeTSHpr	50	0.5422	0.3018	0.5444	0.5323	0.3082	0.4085	0.1900
SeTSHpr	50	0.6348	0.3676	0.6357	0.6222	0.3235	0.5751	0.1900
MeTSHpr	50	0.6905	0.4304	0.6961	0.6847	0.3622	0.5881	0.2900
ReGYOTpr	51	0.6572	0.5115	0.6826	0.6816	0.4279	0.4602	0.2900
BeGYOTpr	51	0.4289	0.3097	0.4547	0.4520	0.3551	0.2016	-0.0900
SeGYOTpr	51	0.5723	0.4462	0.6039	0.6031	0.3802	0.4164	0.0900
MeGYOTpr	51	0.6143	0.4682	0.6452	0.6434	0.4347	0.3935	0.1900
ReWSpr	52	0.4602	0.5558	0.5257	0.5410	0.6424	0.0817	0.3000
BeWSpr	52	0.4987	0.6153	0.5783	0.5956	0.6441	0.1028	0.2900
SeWSpr	52	0.4567	0.3458	0.4853	0.4808	0.5766	0.0766	0.1900
MeWSpr	52	0.5065	0.5482	0.5697	0.5803	0.6674	0.0938	0.2900
ReFIBRpr	53	0.1643	-0.0371	0.1066	0.0841	-0.2007	0.4906	0.5000
BeFIBRpr	53	0.0928	-0.0964	0.0305	0.0114	-0.2060	0.3868	0.5000
SeFIBRpr	53	0.2359	0.0712	0.1951	0.1772	-0.0467	0.4370	0.5000
MeFIBRpr	53	0.1678	-0.0267	0.1110	0.0902	-0.1625	0.4567	0.5000
ReS7p1r	54	0.6909	0.4101	0.6861	0.6838	0.4240	0.5307	0.3900
BeS7p1r	54	0.7214	0.5205	0.7476	0.7445	0.6208	0.4211	0.3900
SeS7p1r	54	0.6916	0.5193	0.7118	0.7139	0.3618	0.6497	0.3900
MeS7p1r	54	0.7847	0.5473	0.8020	0.8009	0.5256	0.5996	0.3900
ReS8p1r	55	0.5522	0.3817	0.5476	0.5495	0.1884	0.5579	0.2900
BeS8p1r	55	0.7162	0.2933	0.6921	0.6681	0.5489	0.4622	0.1900
SeS8p1r	55	0.5995	0.4845	0.6296	0.6258	0.4706	0.3836	0.3900
MeS8p1r	55	0.7753	0.4738	0.7754	0.7636	0.5148	0.5712	0.3900
ReS10p1r	56	0.3690	0.4199	0.4026	0.4154	0.0160	0.4776	0.2900
BeS10p1r	56	0.5855	0.2565	0.5760	0.5557	0.6704	0.1380	-0.0900
SeS10p1r	56	0.3726	0.4122	0.4196	0.4338	0.1933	0.2954	0.2900
MeS10p1r	56	0.6296	0.4570	0.6520	0.6490	0.4886	0.3659	0.1900

Table 74 continued 2/12

Character in trial Te	Trial Ts	Trial Ts						
		BsTCHpr	BsCCSpr	BsTSHpr	BsGYOTpr	BsWSpr	BsSTpr	BsHAR
ReBRplr	58	0.4647	0.6110	0.5373	0.5677	0.5140	0.1704	-0.0
BeBRplr	58	0.3668	0.5419	0.4512	0.4769	0.5508	-0.0045	-0.1
SeBRplr	58	0.4045	0.6652	0.5012	0.5345	0.4935	0.1310	0.1
MeBRplr	58	0.4934	0.7294	0.5957	0.6315	0.6243	0.1169	-0.0
ReHplr	59	0.0369	-0.1942	-0.0232	-0.0556	-0.0175	0.1045	0.6
BeHplr	59	-0.0407	-0.0381	-0.0539	-0.0671	-0.0581	0.0308	0.7
SeHplr	59	0.0500	0.1761	0.0674	0.0660	-0.0228	0.1434	0.7
MeHplr	59	0.0138	-0.0176	-0.0053	-0.0217	-0.0368	0.0972	0.7
ReGplr	60	0.7214	0.4482	0.7127	0.7067	0.3300	0.6787	0.3
BeGplr	60	0.7383	0.3305	0.7180	0.6942	0.5500	0.4889	0.3
SeGplr	60	0.6935	0.4857	0.7056	0.7006	0.3583	0.6416	0.4
MeGplr	60	0.7889	0.4645	0.7830	0.7704	0.4525	0.6642	0.4
ReSTVplr	61	-0.1726	-0.3478	-0.2291	-0.2611	-0.4167	0.0885	0.3
BeSTVplr	61	0.4826	-0.1596	0.3847	0.3383	0.2383	0.4310	-0.1
SeSTVplr	61	0.4088	0.2438	0.4017	0.4009	0.0399	0.5751	-0.2
MeSTVplr	61	0.3841	-0.1043	0.3061	0.2681	-0.0429	0.5619	-0.0
ReBRVplr	62	-0.1273	-0.1471	-0.1523	-0.1539	-0.0556	-0.0594	0.1
BeBRVplr	62	-0.2015	-0.0211	-0.1843	-0.1716	-0.0068	-0.2386	-0.0
SeBRVplr	62	-0.1803	-0.2473	-0.2031	-0.2150	0.0145	-0.3040	-0.1
MeBRVplr	62	-0.2704	-0.2234	-0.2874	-0.2880	-0.0266	-0.3177	0.0
ReGVplr	63	0.1557	0.2479	0.1791	0.1966	-0.0057	0.2138	0.1
BeGVplr	63	0.4696	0.2631	0.4837	0.4767	0.7255	-0.0274	-0.2
SeGVplr	63	0.0623	0.1006	0.0785	0.0847	0.0758	-0.0595	-0.0
MeGVplr	63	0.3779	0.3186	0.4050	0.4120	0.4596	0.0535	-0.0
		BsG_Bpr	BsGBpr	SsTCHpr	SsCCSpr	SsTSHpr	SsGYOTpr	SsSEL'
ReTCHpr	48	0.6866	0.6422	0.8941	0.1807	0.8026	0.7066	0.57
BeTCHpr	48	0.4663	0.3830	0.6206	-0.1664	0.4468	0.3558	0.28
SeTCHpr	48	0.5660	0.4695	0.6951	-0.0572	0.5492	0.4582	0.25
MeTCHpr	48	0.6360	0.5522	0.8188	-0.0228	0.6638	0.5603	0.41
ReCCSpr	49	0.1333	0.3355	0.0992	0.5308	0.3160	0.3842	0.47
BeCCSpr	49	-0.0537	0.1604	-0.1947	0.4771	0.0424	0.1531	0.27
SeCCSpr	49	0.0519	0.3081	0.1083	0.6713	0.3644	0.4545	0.54
MeCCSpr	49	0.0390	0.2779	-0.0096	0.5925	0.2433	0.3406	0.45
ReTSHpr	50	0.6913	0.7148	0.8660	0.3420	0.8514	0.7844	0.68
BeTSHpr	50	0.4401	0.4487	0.5286	0.0347	0.4558	0.4111	0.39
SeTSHpr	50	0.5737	0.5785	0.7121	0.2004	0.6693	0.6156	0.45

Table 74 continued 3/12

Character in trial Te	Trial Ts		BsGBpr	SsTCHpr	SsCCSpr	SsTSHpr	SsGYOTpr	SsSEL
	51	BsG_Bpr						
ReGYOTpr	51	0.6221	0.6859	0.7661	0.3934	0.7961	0.7555	0.7
BeGYOTpr	51	0.2902	0.3458	0.3171	0.0955	0.3102	0.3017	0.3
SeGYOTpr	51	0.4781	0.5510	0.5809	0.3073	0.6091	0.5923	0.5
MeGYOTpr	51	0.5108	0.5822	0.6092	0.2873	0.6267	0.6027	0.5
ReWSpr	52	0.3220	0.4504	0.4634	0.4887	0.5716	0.5689	0.4
BeWSpr	52	0.2621	0.4056	0.4565	0.4351	0.5463	0.5400	0.4
SeWSpr	52	0.3281	0.3841	0.5042	0.2223	0.5017	0.4553	0.2
MeWSpr	52	0.3249	0.4441	0.5077	0.4155	0.5801	0.5614	0.4
ReFIBRpr	53	0.3760	0.2467	0.4845	-0.1041	0.3392	0.2389	0.0
BeFIBRpr	53	0.3208	0.1846	0.4155	-0.1998	0.2507	0.1563	0.0
SeFIBRpr	53	0.3227	0.2499	0.4913	0.0073	0.3903	0.3128	0.2
MeFIBRpr	53	0.3554	0.2356	0.4832	-0.1098	0.3378	0.2423	0.1
ReS7plr	54	0.6603	0.6911	0.8103	0.2843	0.7763	0.7397	0.7
BeS7plr	54	0.6289	0.7033	0.6060	0.2796	0.6115	0.6028	0.6
SeS7plr	54	0.6592	0.6967	0.7477	0.3244	0.7425	0.7120	0.6
MeS7plr	54	0.7254	0.7797	0.7994	0.3326	0.7889	0.7615	0.7
ReS8plr	55	0.6475	0.6355	0.7465	0.2172	0.6972	0.6316	0.5
BeS8plr	55	0.5673	0.5621	0.6428	0.1151	0.5706	0.5372	0.4
SeS8plr	55	0.5520	0.5926	0.5975	0.3150	0.6156	0.5837	0.5
MeS8plr	55	0.7219	0.7323	0.8108	0.2626	0.7680	0.7159	0.6
ReS10plr	56	0.3675	0.3858	0.5395	0.1852	0.5170	0.4605	0.4
BeS10plr	56	0.3327	0.3686	0.3649	0.1601	0.3617	0.3592	0.3
SeS10plr	56	0.2471	0.3085	0.5741	0.1299	0.5304	0.4828	0.4
MeS10plr	56	0.4293	0.4792	0.6241	0.2135	0.5990	0.5600	0.4
ReSTplr	57	0.4280	0.2648	0.5039	-0.2422	0.3152	0.2227	0.1
BeSTplr	57	0.2867	0.0921	0.2782	-0.4694	0.0463	-0.0353	-0.0
SeSTplr	57	0.3255	0.1790	0.3242	-0.2216	0.1799	0.1257	0.0
MeSTplr	57	0.3705	0.1908	0.3944	-0.3332	0.1928	0.1113	0.0
ReBRplr	58	0.3773	0.5762	0.4473	0.7061	0.6526	0.7083	0.7
BeBRplr	58	0.2267	0.4274	0.1016	0.6212	0.3441	0.4302	0.4
SeBRplr	58	0.2038	0.4479	0.2738	0.7420	0.5185	0.6017	0.7
MeBRplr	58	0.3188	0.5778	0.3235	0.8295	0.6021	0.6931	0.7
ReHplr	59	0.0971	-0.0024	0.2722	-0.2155	0.1146	0.0301	-0.0
BeHplr	59	-0.0417	-0.0740	0.1486	-0.1665	0.0463	-0.0175	0.0
SeHplr	59	0.0843	0.0967	0.2725	0.0278	0.2225	0.1620	0.1
MeHplr	59	0.0454	0.0040	0.2446	-0.1274	0.1344	0.0600	0.0
ReGplr	60	0.7468	0.7536	0.8969	0.3266	0.8613	0.8013	0.7
BeGplr	60	0.6295	0.6210	0.7021	0.1310	0.6282	0.5784	0.5
SeGplr	60	0.6710	0.6959	0.8084	0.2792	0.7762	0.7223	0.6
MeGplr	60	0.7508	0.7595	0.8832	0.2711	0.8316	0.7716	0.6

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Character in trial Te	Trial Ts		SsTCHpr	SsCCSpr	SsTSHpr	SsGYOTpr	SsSEL	
	BsG_Bpr	BsGBpr						
ReBRVpr	62	-0.1294	-0.2246	-0.1412	-0.0997	-0.1745	-0.1942	-0.3
BeBRVpr	62	-0.0018	0.0509	-0.1211	-0.0001	-0.0921	-0.0964	-0.1
SeBRVpr	62	-0.1723	-0.2572	-0.2553	-0.2118	-0.3002	-0.3206	-0.3
MeBRVpr	62	-0.1638	-0.2342	-0.2762	-0.1675	-0.3034	-0.3273	-0.4
ReGVpr	63	0.2395	0.2027	0.2173	-0.0027	0.1783	0.1550	0.1
BeGVpr	63	0.1335	0.2233	0.1205	0.2840	0.2063	0.2601	0.1
SeGVpr	63	-0.0001	-0.0014	0.2172	0.0171	0.1816	0.1544	0.0
MeGVpr	63	0.1890	0.2240	0.2786	0.1735	0.2932	0.3004	0.2
trial Te		SsSEL8pr	SsS10pr	SsS7pr	SsS8pr	SsS10pr	SsWSpr	SsS
ReTCHpr	48	0.4937	0.4321	0.5134	0.4588	0.3152	0.2196	0.6
BeTCHpr	48	0.2823	0.4240	0.3005	0.2507	0.3569	-0.1726	0.6
SeTCHpr	48	0.2804	0.3214	0.2621	0.2908	0.1783	0.1029	0.5
MeTCHpr	48	0.3911	0.4409	0.3991	0.3694	0.3211	0.0453	0.7
ReCCSpr	49	0.5509	0.4183	0.5758	0.4906	0.3980	0.1676	-0.0
BeCCSpr	49	0.3699	0.1753	0.3694	0.2403	0.1542	0.1355	-0.3
SeCCSpr	49	0.5626	0.2825	0.6015	0.4854	0.2916	0.2625	-0.1
MeCCSpr	49	0.5186	0.3019	0.5397	0.4206	0.2899	0.1982	-0.1
ReTSHpr	50	0.6388	0.5421	0.6639	0.5851	0.4253	0.2689	0.5
BeTSHpr	50	0.4264	0.4744	0.4464	0.3425	0.4067	-0.1198	0.5
SeTSHpr	50	0.4847	0.4243	0.4783	0.4668	0.2826	0.2047	0.5
MeTSHpr	50	0.5748	0.5376	0.5898	0.5152	0.4179	0.1220	0.6
ReGYOTpr	51	0.7024	0.6017	0.7332	0.6441	0.5116	0.2428	0.4
BeGYOTpr	51	0.3872	0.3794	0.4105	0.2870	0.3374	-0.1184	0.3
SeGYOTpr	51	0.5575	0.4245	0.5612	0.5350	0.3149	0.1970	0.3
MeGYOTpr	51	0.6080	0.5231	0.6303	0.5366	0.4355	0.1044	0.4
ReWSpr	52	0.4158	0.3358	0.3801	0.2891	0.2110	0.7819	-0.1
BeWSpr	52	0.4524	0.3986	0.4190	0.2898	0.2365	0.5787	-0.0
SeWSpr	52	0.3364	0.2934	0.2369	0.2374	0.0944	0.6687	-0.0
MeWSpr	52	0.4330	0.3692	0.3744	0.2930	0.1970	0.7249	-0.1
ReFIBRpr	53	-0.0650	0.0187	-0.0650	0.0380	-0.0728	0.1901	0.3
BeFIBRpr	53	-0.0341	0.1014	-0.0344	0.1058	0.0637	0.1269	0.3
SeFIBRpr	53	0.0967	0.1801	0.1137	0.1980	0.1682	0.2281	0.3
MeFIBRpr	53	-0.0039	0.1036	0.0014	0.1176	0.0541	0.1871	0.3

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Character in trial Te	Trial Ts							
		SsHARDpr	SsvisGpr	SsSTVpr	SsBRVpr	SsGVARpr	SsSTVplr	SsBRV
ReTCHpr	48	0.3524	0.6609	0.3121	-0.4079	0.1658	0.3028	-0.3
BeTCHpr	48	0.1944	0.4027	0.5860	-0.2592	0.0821	0.5664	-0.1
SeTCHpr	48	0.3015	0.3897	0.4870	-0.2599	0.1531	0.4804	-0.1
MeTCHpr	48	0.3121	0.5387	0.5220	-0.3436	0.1470	0.5083	-0.2
ReCCSpr	49	-0.4956	0.3899	-0.2014	-0.1623	0.4668	-0.2520	-0.2
BeCCSpr	49	-0.5629	0.1547	-0.4121	0.0043	0.3162	-0.4483	-0.0
SeCCSpr	49	-0.3495	0.4539	-0.4601	-0.1907	0.3646	-0.4868	-0.1
MeCCSpr	49	-0.5059	0.3429	-0.3881	-0.1156	0.4024	-0.4280	-0.1
ReTSHpr	50	0.1705	0.7406	0.2235	-0.4256	0.3107	0.1997	-0.3
BeTSHpr	50	-0.0381	0.4587	0.4021	-0.2288	0.2056	0.3660	-0.1
SeTSHpr	50	0.1480	0.5443	0.3039	-0.3127	0.2976	0.2848	-0.2
MeTSHpr	50	0.0990	0.6459	0.3499	-0.3572	0.3007	0.3200	-0.2
ReGYOTpr	51	-0.0136	0.7339	0.1703	-0.3411	0.3828	0.1400	-0.2
BeGYOTpr	51	-0.2331	0.3454	0.2651	-0.1471	0.1990	0.2229	-0.1
SeGYOTpr	51	-0.0151	0.5481	0.1887	-0.2683	0.3780	0.1615	-0.1
MeGYOTpr	51	-0.1091	0.5984	0.2382	-0.2770	0.3513	0.2002	-0.1
ReWSpr	52	0.2523	0.3976	-0.5176	-0.0632	0.2710	-0.4675	-0.1
BeWSpr	52	0.1177	0.4083	-0.3493	-0.0526	0.2988	-0.3194	-0.1
SeWSpr	52	0.0663	0.2529	-0.3288	0.0356	0.2528	-0.3476	-0.0
MeWSpr	52	0.1586	0.3822	-0.4295	-0.0310	0.2948	-0.4062	-0.1
ReFIBRpr	53	0.6338	0.1603	0.2901	-0.2256	0.0156	0.3129	-0.1
BeFIBRpr	53	0.6197	0.1600	0.2970	0.0040	0.0864	0.3183	0.0
SeFIBRpr	53	0.6669	0.3149	0.1281	-0.2138	0.1324	0.1575	-0.1
MeFIBRpr	53	0.6693	0.2178	0.2542	-0.1442	0.0814	0.2796	-0.0
ReS7plr	54	0.0639	0.7522	0.1760	-0.2276	0.4412	0.1004	-0.1
BeS7plr	54	0.1337	0.6394	-0.0238	-0.2140	0.3134	0.0087	-0.1
SeS7plr	54	0.2243	0.7366	0.1129	-0.3767	0.2876	0.0949	-0.2
MeS7plr	54	0.1656	0.7900	0.0918	-0.3111	0.3790	0.0739	-0.1
ReS8plr	55	0.0502	0.6211	0.2565	-0.2077	0.2915	0.2334	-0.1
BeS8plr	55	0.1651	0.5511	0.1775	-0.1145	0.2607	0.2209	-0.0
SeS8plr	55	0.1588	0.5527	0.0368	-0.3112	0.3926	-0.0136	-0.2
MeS8plr	55	0.1598	0.7053	0.1879	-0.2574	0.3881	0.1782	-0.1
ReS10plr	56	0.0968	0.4574	0.3499	-0.3498	0.1524	0.3572	-0.3
BeS10plr	56	-0.0654	0.3263	0.0594	0.0663	0.4677	0.0404	-0.0
SeS10plr	56	0.1117	0.4491	0.2107	0.0675	0.2571	0.2137	0.1
MeS10plr	56	0.0334	0.5271	0.2401	-0.0687	0.4353	0.2321	-0.0
ReSTplr	57	0.1751	0.3052	0.7613	-0.3582	-0.1095	0.7251	-0.1
BeSTplr	57	0.1359	0.1050	0.8357	-0.2506	-0.1575	0.8023	-0.0
SeSTplr	57	0.2792	0.2216	0.7823	-0.3098	-0.0636	0.7954	-0.1
MeSTplr	57	0.2091	0.2248	0.8470	-0.3270	-0.1182	0.8266	-0.1

Table 74 continued 7/12

Character in trial Te		Trial Ts						
		SsHARDpr	SsvisGpr	SsSTVpr	SsBRVpr	SsGVARpr	SsSTVp1r	SsBRV
ReHp1r	59	0.8091	0.0058	0.0742	0.1544	-0.0456	0.1164	0.1
BeHp1r	59	0.7747	0.0455	0.0844	0.1885	0.0466	0.1562	0.2
SeHp1r	59	0.7347	0.2159	-0.0672	-0.0261	0.0461	-0.0194	-0.0
MeHp1r	59	0.8323	0.0957	0.0343	0.1165	0.0195	0.0934	0.1
ReGp1r	60	0.1941	0.7721	0.2392	-0.4142	0.3712	0.1986	-0.3
BeGp1r	60	0.2169	0.5859	0.2326	-0.1487	0.2862	0.2428	-0.1
SeGp1r	60	0.3009	0.7260	0.1259	-0.3721	0.2888	0.1156	-0.2
MeGp1r	60	0.2615	0.7649	0.2184	-0.3443	0.3469	0.2033	-0.2
ReSTVp1r	61	0.3434	-0.2377	0.3712	0.1128	-0.4760	0.3819	0.2
BeSTVp1r	61	0.1062	0.2282	0.1316	-0.2448	0.2163	0.1258	-0.2
SeSTVp1r	61	0.0274	0.3880	0.2055	-0.4642	0.1725	0.2515	-0.3
MeSTVp1r	61	0.2197	0.2162	0.3395	-0.3202	-0.0096	0.3657	-0.2
ReBRVp1r	62	0.1245	-0.3111	-0.2284	0.2632	-0.3770	-0.2274	0.2
BeBRVp1r	62	-0.0785	-0.1760	-0.1458	0.3368	-0.1595	-0.1068	0.2
SeBRVp1r	62	-0.1915	-0.4322	0.0057	0.3105	-0.0296	-0.0786	0.2
MeBRVp1r	62	-0.0734	-0.4924	-0.1988	0.4847	-0.3068	-0.2228	0.4
ReGVp1r	63	-0.0887	0.2143	0.1337	-0.0039	0.0464	0.1498	0.0
BeGVp1r	63	-0.1581	0.1735	-0.3215	0.0924	0.4110	-0.3178	-0.0
SeGVp1r	63	-0.0098	0.0467	0.1929	0.1428	0.2919	0.1466	0.1
MeGVp1r	63	-0.1385	0.2239	-0.0309	0.1230	0.4065	-0.0442	0.0
		SsGVp1r	SsG_Bpr	SsGBpr	SsTCHp	SsCCSp	SsTSHp	SsGY
ReTCHpr	48	0.1521	0.8649	0.7739	0.8329	0.2492	0.7564	0.6
BeTCHpr	48	0.0784	0.6017	0.4522	0.4269	-0.1206	0.2929	0.2
SeTCHpr	48	0.1563	0.7176	0.5606	0.5064	0.0274	0.4097	0.3
MeTCHpr	48	0.1417	0.8086	0.6598	0.6516	0.0504	0.5355	0.4
ReCCSpr	49	0.4548	0.1077	0.3594	0.0592	0.4866	0.2501	0.3
BeCCSpr	49	0.3079	-0.1585	0.1064	-0.2283	0.4278	-0.0143	0.0
SeCCSpr	49	0.3539	0.1656	0.4370	0.1503	0.6365	0.3663	0.4
MeCCSpr	49	0.3915	0.0273	0.3078	-0.0217	0.5465	0.1998	0.3
ReTSHpr	50	0.2936	0.8422	0.8390	0.7948	0.3943	0.7868	0.7
BeTSHpr	50	0.2026	0.5178	0.4821	0.3247	0.0608	0.2816	0.2
SeTSHpr	50	0.2988	0.7528	0.7055	0.5418	0.2719	0.5328	0.5
MeTSHpr	50	0.2936	0.7801	0.7480	0.6110	0.2639	0.5876	0.5
ReGYOTpr	51	0.3695	0.7427	0.7969	0.6935	0.4280	0.7240	0.6
BeGYOTpr	51	0.2074	0.3240	0.3565	0.1245	0.0975	0.1387	0.1
SeGYOTpr	51	0.3901	0.6677	0.6956	0.4313	0.3565	0.4810	0.4
MeGYOTpr	51	0.3541	0.6330	0.6759	0.4504	0.3173	0.4843	0.4

Table 74 continued 8/12

Character in trial Te		Trial Ts						
		SsGVp1r	SsG_Bpr	SsGBpr	SsTCHp	SsCCSp	SsTSHp	SsGY
ReFIBRpr	53	0.0592	0.4855	0.3025	0.4316	0.0017	0.3269	0.2
BeFIBRpr	53	0.1093	0.4985	0.2783	0.3527	-0.1428	0.2134	0.1
SeFIBRpr	53	0.1341	0.5269	0.3982	0.5073	0.0636	0.4150	0.3
MeFIBRpr	53	0.1055	0.5270	0.3385	0.4462	-0.0338	0.3273	0.2
ReS7p1r	54	0.4151	0.8036	0.7847	0.7559	0.2976	0.7129	0.6
BeS7p1r	54	0.2824	0.6673	0.7040	0.4727	0.3203	0.4966	0.4
SeS7p1r	54	0.2463	0.7677	0.7641	0.5893	0.3364	0.5888	0.5
MeS7p1r	54	0.3416	0.8298	0.8369	0.6643	0.3578	0.6603	0.6
ReS8p1r	55	0.2519	0.6986	0.6573	0.7355	0.2712	0.6883	0.6
BeS8p1r	55	0.2395	0.6213	0.5879	0.4906	0.1729	0.4494	0.4
SeS8p1r	55	0.3717	0.6843	0.7043	0.4784	0.3379	0.5047	0.4
MeS8p1r	55	0.3555	0.8204	0.7989	0.6876	0.3179	0.6631	0.6
ReS10p1r	56	0.1218	0.4897	0.4741	0.4916	0.2414	0.4812	0.4
BeS10p1r	56	0.4296	0.3180	0.3597	0.2874	0.2204	0.3059	0.3
SeS10p1r	56	0.2536	0.5355	0.5032	0.4656	0.1689	0.4366	0.4
MeS10p1r	56	0.3988	0.5631	0.5724	0.5213	0.2854	0.5192	0.4
ReSTp1r	57	-0.0826	0.4792	0.2993	0.3888	-0.1972	0.2305	0.1
BeSTp1r	57	-0.1531	0.2675	0.0538	0.1333	-0.4566	-0.0651	-0.1
SeSTp1r	57	-0.0656	0.3975	0.2315	0.1747	-0.1849	0.0611	0.0
MeSTp1r	57	-0.1076	0.4072	0.2077	0.2487	-0.2997	0.0809	0.0
ReBRp1r	58	0.6215	0.3709	0.5852	0.3821	0.6778	0.5546	0.6
BeBRp1r	58	0.4054	0.1420	0.3937	0.1139	0.5741	0.3214	0.4
SeBRp1r	58	0.3910	0.3061	0.5750	0.3325	0.7023	0.5263	0.6
MeBRp1r	58	0.5616	0.3252	0.6212	0.3291	0.7830	0.5597	0.6
ReHp1r	59	0.0172	0.3573	0.1668	0.2015	-0.1518	0.0798	0.0
BeHp1r	59	0.0756	0.3919	0.2300	0.0871	-0.1261	0.0076	-0.0
SeHp1r	59	0.0724	0.3764	0.3105	0.2758	0.0529	0.2282	0.1
MeHp1r	59	0.0610	0.4055	0.2552	0.1981	-0.0816	0.1096	0.0
ReGp1r	60	0.3365	0.8524	0.8242	0.8449	0.3732	0.8101	0.7
BeGp1r	60	0.2548	0.7197	0.6693	0.5383	0.1888	0.4944	0.4
SeGp1r	60	0.2526	0.8445	0.8106	0.6630	0.2973	0.6378	0.5
MeGp1r	60	0.3094	0.8867	0.8455	0.7510	0.3158	0.7130	0.6
ReSTVp1r	61	-0.4691	0.0868	-0.1659	-0.0090	-0.6856	-0.2597	-0.3
BeSTVp1r	61	0.1491	0.1925	0.1238	0.2181	-0.1039	0.1227	0.0
SeSTVp1r	61	0.1183	0.2908	0.3419	0.3656	0.2646	0.3910	0.4
MeSTVp1r	61	-0.0692	0.2899	0.1708	0.3002	-0.2145	0.1549	0.0
ReBRVp1r	62	-0.4330	-0.1711	-0.2717	-0.1266	-0.0396	-0.1397	-0.1
BeBRVp1r	62	-0.0860	-0.1688	-0.1226	-0.0686	0.0490	-0.0273	-0.0
SeBRVp1r	62	-0.0502	-0.2654	-0.3211	-0.1679	-0.1839	-0.2031	-0.2
MeBRVp1r	62	-0.3106	-0.3228	-0.3840	-0.1946	-0.0940	-0.1991	-0.1

Table 74 continued 9/12

Character in trial Te		Trial Ts						
		SsSEL7p	SsSEL8p	SsS10p	SsWSp	SsSTp	SsHARDp	Ssvi
ReTCHpr	48	0.5290	0.5245	0.2677	0.3574	0.6916	0.4490	0.6
BeTCHpr	48	0.1407	0.2058	0.2383	-0.1611	0.6691	0.2624	0.3
SeTCHpr	48	0.1242	0.2385	0.1663	0.1272	0.5354	0.3342	0.2
MeTCHpr	48	0.2911	0.3563	0.2517	0.1081	0.7092	0.3860	0.4
ReCCSpr	49	0.4405	0.5044	0.3485	0.0592	0.0192	-0.5076	0.3
BeCCSpr	49	0.2698	0.3090	0.1606	-0.0620	-0.2253	-0.6025	0.1
SeCCSpr	49	0.5866	0.5870	0.3209	0.1965	0.0016	-0.4012	0.4
MeCCSpr	49	0.4509	0.4874	0.2865	0.0611	-0.0841	-0.5435	0.3
ReTSHpr	50	0.6355	0.6528	0.3658	0.3574	0.6450	0.2628	0.7
BeTSHpr	50	0.2511	0.3293	0.2784	-0.1879	0.5678	0.0179	0.3
SeTSHpr	50	0.3362	0.4527	0.2850	0.1979	0.5116	0.1652	0.4
MeTSHpr	50	0.4510	0.5297	0.3455	0.1246	0.6433	0.1612	0.5
ReGYOTpr	51	0.6440	0.6803	0.3938	0.2889	0.5794	0.0634	0.6
BeGYOTpr	51	0.1940	0.2780	0.2025	-0.2444	0.3765	-0.2051	0.2
SeGYOTpr	51	0.3922	0.5137	0.2860	0.1656	0.4095	-0.0191	0.4
MeGYOTpr	51	0.4487	0.5388	0.3256	0.0570	0.5088	-0.0706	0.5
ReWSpr	52	0.5150	0.4423	0.3330	0.6540	-0.0445	0.2601	0.4
BeWSpr	52	0.4374	0.4373	0.3679	0.3787	0.0728	0.0974	0.4
SeWSpr	52	0.2354	0.2886	0.1462	0.5145	-0.0008	0.0581	0.2
MeWSpr	52	0.4304	0.4212	0.3080	0.5523	0.0105	0.1512	0.4
ReFIBRpr	53	0.0328	0.0170	0.0037	0.3058	0.2618	0.7196	0.1
BeFIBRpr	53	-0.0035	-0.0275	0.0517	0.1975	0.2671	0.6661	0.1
SeFIBRpr	53	0.2357	0.1955	0.2119	0.3517	0.3041	0.7074	0.3
MeFIBRpr	53	0.0860	0.0584	0.0897	0.2936	0.2900	0.7293	0.2
ReS7p1r	54	0.6134	0.6592	0.3549	0.2173	0.6916	0.1427	0.6
BeS7p1r	54	0.5382	0.5684	0.3740	0.1801	0.4223	0.2282	0.6
SeS7p1r	54	0.5542	0.5652	0.3263	0.1270	0.6344	0.2510	0.6
MeS7p1r	54	0.6315	0.6621	0.3924	0.1907	0.6434	0.2382	0.7
ReS8p1r	55	0.5351	0.5400	0.3759	0.2687	0.6201	0.1870	0.5
BeS8p1r	55	0.3596	0.4292	0.3232	0.0816	0.5147	0.2171	0.4
SeS8p1r	55	0.4743	0.5056	0.1908	0.2727	0.3443	0.1804	0.5
MeS8p1r	55	0.5546	0.6011	0.3617	0.2481	0.6007	0.2415	0.6
ReS10p1r	56	0.4060	0.4037	0.4360	0.0636	0.5308	0.1721	0.4
BeS10p1r	56	0.2505	0.3672	0.4399	0.0912	0.2155	-0.0012	0.2
SeS10p1r	56	0.3024	0.3785	0.3377	0.0827	0.4812	0.0104	0.3
MeS10p1r	56	0.4112	0.5086	0.5524	0.1087	0.4966	0.0680	0.4
ReSTp1r	57	0.0465	0.1133	-0.0449	-0.2314	0.7402	0.2704	0.2
BeSTp1r	57	-0.1901	-0.1250	-0.0518	-0.4467	0.6224	0.2196	-0.0
SeSTp1r	57	-0.0508	0.0154	0.0284	-0.3163	0.5967	0.3185	0.1
MeSTp1r	57	-0.0693	0.0012	-0.0249	-0.3541	0.6981	0.2872	0.1

Table 74 continued 10/12

Character in trial Te		Trial Ts						
		SsSEL7p	SsSEL8p	SsS10p	SsWSp	SsSTp	SsHARDp	Ssvi
ReHplr	59	-0.0692	-0.1154	-0.2867	0.1975	0.0608	0.7916	0.0
BeHplr	59	0.0072	-0.0312	-0.0291	0.1000	0.0392	0.7396	0.0
SeHplr	59	0.2392	0.1609	0.0251	0.2684	0.1174	0.7011	0.2
MeHplr	59	0.0639	0.0059	-0.0977	0.1993	0.0769	0.8008	0.1
ReGplr	60	0.6457	0.6474	0.4017	0.3231	0.7122	0.3068	0.7
BeGplr	60	0.4092	0.4645	0.3198	0.1127	0.5502	0.3017	0.5
SeGplr	60	0.5452	0.5585	0.3151	0.2275	0.6221	0.3322	0.6
MeGplr	60	0.5875	0.6130	0.3800	0.2440	0.6913	0.3450	0.7
ReSTVplr	61	-0.3224	-0.3485	-0.3336	-0.1252	0.1366	0.2861	-0.2
BeSTVplr	61	0.0493	0.1089	0.2485	-0.0519	0.3053	0.1471	0.1
SeSTVplr	61	0.3407	0.3653	0.3153	0.2229	0.3108	0.0558	0.3
MeSTVplr	61	0.0636	0.0951	0.1455	0.0371	0.3793	0.2301	0.1
ReBRVplr	62	-0.2555	-0.3566	-0.1511	0.0876	-0.2523	0.1357	-0.2
BeBRVplr	62	-0.0744	-0.0510	-0.2315	0.1621	-0.2400	0.0739	-0.1
SeBRVplr	62	-0.3062	-0.2596	-0.1449	0.1633	-0.3822	-0.2305	-0.3
MeBRVplr	62	-0.3422	-0.3612	-0.2803	0.2190	-0.4665	-0.0089	-0.3
ReGVplr	63	0.1470	0.0940	0.2102	-0.0937	0.2644	-0.0853	0.1
BeGVplr	63	0.1764	0.2572	0.3911	0.1412	-0.0763	-0.1626	0.1
SeGVplr	63	0.0073	0.0217	0.2059	0.0699	0.0802	-0.1409	0.0
MeGVplr	63	0.1750	0.2049	0.4281	0.0738	0.1174	-0.2043	0.1
			SsSTVp	SsBRVp	SsGVARp	SsG_Bp	SsGBp	
ReTCHpr	48	-0.1392	-0.2570	-0.0560	0.7931	0.7119		
BeTCHpr	48	0.0126	-0.0737	-0.2581	0.4641	0.3524		
SeTCHpr	48	-0.1731	-0.1929	-0.0915	0.5799	0.5010		
MeTCHpr	48	-0.1062	-0.1905	-0.1572	0.6783	0.5759		
ReCCSpr	49	-0.1848	-0.0119	0.3534	0.1602	0.3594		
BeCCSpr	49	-0.2750	0.0656	0.3405	-0.1196	0.1072		
SeCCSpr	49	-0.2513	-0.0574	0.3257	0.2817	0.4777		
MeCCSpr	49	-0.2562	0.0031	0.3623	0.0995	0.3220		
ReTSHpr	50	-0.1936	-0.2440	0.0656	0.7890	0.7785		
BeTSHpr	50	-0.0899	-0.0229	-0.1149	0.4006	0.3854		
SeTSHpr	50	-0.2685	-0.2093	0.0408	0.6588	0.6593		
MeTSHpr	50	-0.2012	-0.1719	-0.0078	0.6805	0.6708		
ReGYOTpr	51	-0.1752	-0.1448	0.0887	0.7002	0.7332		
BeGYOTpr	51	-0.1314	0.0645	-0.0649	0.2335	0.2754		
SeGYOTpr	51	-0.2722	-0.1293	0.1216	0.6099	0.6624		
MeGYOTpr	51	-0.2115	-0.0689	0.0457	0.5596	0.6071		

Table 74 continued 11/12

Character in trial Te		Trial Ts				
		SsSTVp	SsBRVp	SsGVARp	SsG_Bp	SsGBp
ReFIBRpr	53	-0.1190	-0.2732	-0.0171	0.4382	0.2932
BeFIBRpr	53	0.0524	0.0008	-0.0383	0.4541	0.2734
SeFIBRpr	53	-0.0480	-0.2474	0.0336	0.5446	0.4229
MeFIBRpr	53	-0.0357	-0.1724	-0.0097	0.4995	0.3415
ReS7p1r	54	-0.1897	-0.1360	-0.0283	0.7504	0.7185
BeS7p1r	54	-0.3293	-0.0825	0.0234	0.5833	0.6313
SeS7p1r	54	-0.2043	-0.1836	0.0707	0.7000	0.7236
MeS7p1r	54	-0.2731	-0.1508	0.0299	0.7522	0.7711
ReS8p1r	55	0.0152	-0.1364	0.0795	0.6114	0.5657
BeS8p1r	55	-0.2574	-0.0512	-0.1538	0.4891	0.4914
SeS8p1r	55	-0.4265	-0.1566	0.2371	0.6212	0.6524
MeS8p1r	55	-0.2910	-0.1380	0.0585	0.7026	0.7004
ReS10p1r	56	0.0908	-0.2872	0.1394	0.3821	0.3724
BeS10p1r	56	-0.2425	-0.0753	0.1226	0.2228	0.2663
SeS10p1r	56	-0.0837	0.1054	0.0087	0.4280	0.4172
MeS10p1r	56	-0.1447	-0.1204	0.1321	0.4270	0.4468
ReSTp1r	57	0.3600	-0.1708	-0.2606	0.4001	0.2790
BeSTp1r	57	0.4918	-0.0643	-0.3821	0.1786	0.0206
SeSTp1r	57	0.4797	-0.2019	-0.2135	0.2853	0.1950
MeSTp1r	57	0.4735	-0.1549	-0.3056	0.3076	0.1757
ReBRp1r	58	-0.3071	-0.1515	0.2699	0.3541	0.5157
BeBRp1r	58	-0.3303	-0.2640	0.5333	0.2189	0.4400
SeBRp1r	58	-0.2505	-0.2312	0.2866	0.4324	0.6207
MeBRp1r	58	-0.3547	-0.2617	0.4390	0.4038	0.6336
ReHp1r	59	-0.2428	0.1315	-0.2588	0.3278	0.1723
BeHp1r	59	0.0172	0.2338	-0.0831	0.3777	0.2424
SeHp1r	59	-0.0766	0.0340	0.0644	0.4322	0.3613
MeHp1r	59	-0.1007	0.1478	-0.0960	0.4096	0.2798
ReGp1r	60	-0.1689	-0.3102	0.0356	0.7842	0.7457
BeGp1r	60	-0.2175	-0.0518	-0.1180	0.5924	0.5718
SeGp1r	60	-0.2648	-0.1550	0.0342	0.7807	0.7700
MeGp1r	60	-0.2390	-0.1904	-0.0166	0.7920	0.7666
ReSTVp1r	61	0.2278	0.2794	-0.3490	0.0717	-0.1268
BeSTVp1r	61	-0.0548	-0.3097	0.0568	0.1609	0.1392
SeSTVp1r	61	0.1080	-0.5658	0.2790	0.2509	0.3359
MeSTVp1r	61	0.1305	-0.3334	0.0228	0.2461	0.1927
ReBRVp1r	62	0.0782	0.0820	-0.1094	-0.1909	-0.2670
BeBRVp1r	62	-0.0606	0.2212	-0.2060	-0.1566	-0.1307
SeBRVp1r	62	-0.0124	0.0347	0.2041	-0.2636	-0.2956
MeBRVp1r	62	0.0052	0.1784	-0.0590	-0.3264	-0.3721

Table 75. Correlations between family means in trial Ts (P or R crop of Bs, R crop of Ss seedlings) vs trial Te (PR crop), in order of Te types (Re, Be, Se mean of all three).

Character in Trial Te	Trial Ts							
		BsTCHp	BsTCHr	BsCCSp	BsCCSr	BsTSHp	BsTSHr	BsGYC
ReTCHpr	36	0.5252	0.6198	0.3884	0.2787	0.5570	0.5742	0.5
BeTCHpr	36	0.3742	0.5357	0.0762	0.1533	0.3581	0.4824	0.3
SeTCHpr	36	0.3880	0.5995	0.1113	0.1349	0.3705	0.5404	0.3
MeTCHpr	36	0.4777	0.6520	0.2099	0.2100	0.4764	0.5931	0.4
ReCCSpr	37	0.2651	0.2906	0.4755	0.4075	0.3723	0.3503	0.4
BeCCSpr	37	0.0573	0.2255	0.4349	0.3680	0.1766	0.2934	0.2
SeCCSpr	37	0.2710	0.2867	0.5844	0.5775	0.3947	0.3835	0.4
MeCCSpr	37	0.2010	0.2824	0.5280	0.4768	0.3258	0.3620	0.3
ReTSHpr	38	0.5807	0.6785	0.5169	0.3943	0.6447	0.6547	0.6
BeTSHpr	38	0.3929	0.5999	0.2553	0.3086	0.4258	0.5786	0.4
SeTSHpr	38	0.4770	0.6867	0.3367	0.3475	0.5091	0.6658	0.5
MeTSHpr	38	0.5375	0.7300	0.4096	0.3900	0.5853	0.7055	0.5
ReGYOTpr	39	0.5786	0.6333	0.5293	0.4165	0.6521	0.6256	0.6
BeGYOTpr	39	0.2779	0.5048	0.2659	0.3126	0.3310	0.5042	0.3
SeGYOTpr	39	0.4357	0.6140	0.4076	0.4232	0.4935	0.6243	0.5
MeGYOTpr	39	0.4754	0.6520	0.4429	0.4271	0.5442	0.6525	0.5
ReWSpr	40	0.2597	0.5769	0.5875	0.4390	0.3742	0.5904	0.4
BeWSpr	40	0.2576	0.6471	0.6700	0.4645	0.4005	0.6590	0.4
SeWSpr	40	0.2539	0.5759	0.4281	0.2039	0.3436	0.5464	0.3
MeWSpr	40	0.2757	0.6442	0.6076	0.4020	0.4007	0.6438	0.4
ReFIBRpr	41	0.1631	0.1414	-0.0513	-0.0159	0.1135	0.0871	0.0
BeFIBRpr	41	0.1240	0.0505	-0.1326	-0.0424	0.0528	0.0075	0.0
SeFIBRpr	41	0.2793	0.1615	0.0371	0.0981	0.2374	0.1355	0.2
MeFIBRpr	41	0.1934	0.1197	-0.0565	0.0100	0.1356	0.0763	0.1
ReS7p1r	42	0.6548	0.6232	0.3968	0.3641	0.6813	0.6070	0.6
BeS7p1r	42	0.5086	0.8112	0.4320	0.5415	0.5615	0.8149	0.5
SeS7p1r	42	0.4895	0.7761	0.4740	0.4928	0.5433	0.7684	0.5
MeS7p1r	42	0.6057	0.8343	0.4896	0.5304	0.6571	0.8275	0.6
ReS8p1r	43	0.5765	0.4492	0.4180	0.2852	0.6075	0.4300	0.6
BeS8p1r	43	0.5692	0.7464	0.1907	0.3632	0.5608	0.7195	0.5
SeS8p1r	43	0.4035	0.6916	0.5399	0.3519	0.4967	0.6664	0.5
MeS8p1r	43	0.6348	0.7909	0.4636	0.4152	0.6813	0.7612	0.6
ReS10p1r	44	0.2934	0.3846	0.5272	0.2395	0.3871	0.3665	0.4
BeS10p1r	44	0.5741	0.5105	0.2302	0.2477	0.5868	0.4979	0.5
SeS10p1r	44	0.2639	0.4180	0.4887	0.2669	0.3565	0.4225	0.3
MeS10p1r	44	0.5573	0.6039	0.5069	0.3345	0.6318	0.5907	0.6

Table 75 continued 2/9

Character in Trial Te		Trial Ts							
		BsTCHp	BsTCHr	BsCCSp	BsCCSr	BsTSHp	BsTSHr	BsGYO	
ReBRp1r	46	0.4288	0.4298	0.5385	0.6011	0.5177	0.4885	0.5	
BeBRp1r	46	0.2398	0.4298	0.5311	0.4740	0.3458	0.4865	0.3	
SeBRp1r	46	0.3837	0.3645	0.5920	0.6481	0.4867	0.4531	0.5	
MeBRp1r	46	0.4194	0.4891	0.6671	0.6908	0.5393	0.5715	0.5	
ReHp1r	47	0.0272	0.0403	-0.2690	-0.0831	-0.0447	-0.0021	-0.0	
BeHp1r	47	-0.0512	-0.0252	-0.0953	0.0307	-0.0780	-0.0263	-0.0	
SeHp1r	47	0.0405	0.0513	0.1692	0.1577	0.0653	0.0613	0.0	
MeHp1r	47	0.0031	0.0214	-0.0674	0.0399	-0.0227	0.0104	-0.0	
ReGp1r	48	0.6705	0.6626	0.4252	0.4073	0.6968	0.6395	0.7	
BeGp1r	48	0.5905	0.7661	0.2459	0.3752	0.5939	0.7364	0.5	
SeGp1r	48	0.4987	0.7707	0.4381	0.4666	0.5439	0.7569	0.5	
MeGp1r	48	0.6445	0.8062	0.4079	0.4585	0.6722	0.7818	0.6	
ReSTVp1r	49	-0.1723	-0.1478	-0.3251	-0.3218	-0.2363	-0.1953	-0.2	
BeSTVp1r	49	0.5043	0.3923	-0.2877	0.0050	0.3798	0.3427	0.2	
SeSTVp1r	49	0.3870	0.3691	0.1725	0.2864	0.3698	0.3799	0.3	
MeSTVp1r	49	0.3836	0.3285	-0.1967	0.0127	0.2835	0.2883	0.2	
ReBRVp1r	50	-0.1274	-0.1086	-0.1036	-0.1731	-0.1529	-0.1327	-0.1	
BeBRVp1r	50	-0.1026	-0.2629	-0.0743	0.0409	-0.1123	-0.2240	-0.1	
SeBRVp1r	50	-0.0787	-0.2474	-0.0736	-0.4028	-0.0758	-0.2853	-0.0	
MeBRVp1r	50	-0.1653	-0.3274	-0.1348	-0.2882	-0.1829	-0.3407	-0.1	
ReHVp1r	51	-0.0633	-0.1119	-0.0384	-0.1728	-0.0771	-0.1433	-0.0	
BeHVp1r	51	0.0095	-0.0441	0.2193	-0.0675	0.0645	-0.0637	0.0	
SeHVp1r	51	-0.0256	-0.1057	0.0752	0.0243	-0.0128	-0.1017	-0.0	
MeHVp1r	51	-0.0373	-0.1191	0.1165	-0.1099	-0.0125	-0.1428	0.0	
ReGVp1r	52	0.0320	0.2465	0.3909	0.0534	0.1134	0.2131	0.1	
BeGVp1r	52	0.4054	0.4600	0.2122	0.2806	0.4291	0.4721	0.4	
SeGVp1r	52	0.0296	0.0832	0.2694	-0.1008	0.1057	0.0465	0.1	
MeGVp1r	52	0.2668	0.4246	0.4385	0.1391	0.3560	0.3981	0.3	
			BsGYOTr	BsWSp	BsWSr	BsSTp	BsSTr	BsHARDp	BsSHA
ReTCHpr	36	0.5415	0.3163	0.0450	0.5848	0.7333	0.4036	0.3	
BeTCHpr	36	0.4544	0.2379	-0.0032	0.3746	0.6525	-0.1233	0.5	
SeTCHpr	36	0.5083	0.2064	0.0492	0.4592	0.7349	0.1734	0.2	
MeTCHpr	36	0.5586	0.2831	0.0323	0.5245	0.7880	0.1564	0.4	
ReCCSpr	37	0.3518	0.4556	0.3904	-0.1664	-0.0773	-0.3493	-0.1	

Table 75 continued 3/9

Character in Trial Te	Trial Ts							
	BsGYOTr	BsWSp	BsWSr	BsSTp	BsSTr	BsHARDp	BsH	
ReTSHpr	38	0.6246	0.4455	0.1839	0.4954	0.6531	0.2602	0.1
BeTSHpr	38	0.5597	0.3432	0.2031	0.2584	0.5105	-0.2281	0.4
SeTSHpr	38	0.6418	0.3515	0.2189	0.4264	0.6585	0.1302	0.1
MeTSHpr	38	0.6785	0.4240	0.2257	0.4345	0.6750	0.0491	0.1
ReGYOTpr	39	0.5999	0.5312	0.2469	0.3560	0.5128	0.0856	0.1
BeGYOTpr	39	0.4933	0.3120	0.2874	0.0822	0.2953	-0.3316	0.1
SeGYOTpr	39	0.6106	0.3932	0.2698	0.2846	0.5000	0.0458	0.0
MeGYOTpr	39	0.6339	0.4583	0.3030	0.2603	0.4807	-0.0944	0.1
ReWSpr	40	0.5762	0.2450	0.7280	0.1572	0.0006	0.4019	0.0
BeWSpr	40	0.6418	0.2917	0.6996	0.0967	0.0981	0.2856	0.0
SeWSpr	40	0.5193	0.3135	0.5925	0.0315	0.1119	0.3464	-0.0
MeWSpr	40	0.6232	0.3027	0.7248	0.1043	0.0739	0.3691	0.0
ReFIBRpr	41	0.0657	-0.0785	-0.2251	0.4411	0.4875	0.4451	0.3
BeFIBRpr	41	-0.0039	-0.0597	-0.2451	0.3304	0.4009	0.5015	0.4
SeFIBRpr	41	0.1196	0.1009	-0.1293	0.4123	0.4156	0.4931	0.3
MeFIBRpr	41	0.0595	-0.0170	-0.2125	0.4102	0.4541	0.5035	0.3
ReS7p1r	42	0.5968	0.5738	0.2139	0.4406	0.5625	0.2413	0.2
BeS7p1r	42	0.8016	0.4458	0.5680	0.3494	0.4463	-0.0113	0.4
SeS7p1r	42	0.7576	0.3155	0.2946	0.5251	0.7023	0.2802	0.3
MeS7p1r	42	0.8147	0.4837	0.4121	0.4918	0.6412	0.1865	0.3
ReS8p1r	43	0.4117	0.4440	-0.0264	0.4789	0.5765	0.2617	0.1
BeS8p1r	43	0.6970	0.5119	0.4258	0.3643	0.5086	-0.1256	0.3
SeS8p1r	43	0.6346	0.3797	0.4031	0.2555	0.4670	0.3820	0.1
MeS8p1r	43	0.7311	0.5513	0.3536	0.4445	0.6340	0.1975	0.3
ReS10p1r	44	0.3457	0.1633	-0.0822	0.3615	0.5401	0.1786	0.2
BeS10p1r	44	0.4763	0.6391	0.5107	0.1392	0.1227	-0.2430	0.2
SeS10p1r	44	0.4126	0.2491	0.1051	0.1653	0.3899	0.3201	0.0
MeS10p1r	44	0.5660	0.5436	0.3223	0.2791	0.4117	0.0235	0.2
ReSTp1r	45	0.0915	0.0492	-0.5428	0.5150	0.7720	0.0439	0.3
BeSTp1r	45	-0.0090	-0.0155	-0.5317	0.3594	0.6147	-0.3353	0.4
SeSTp1r	45	0.1149	-0.0746	-0.4309	0.4906	0.6890	-0.0907	0.2
MeSTp1r	45	0.0697	-0.0139	-0.5367	0.4855	0.7389	-0.1364	0.3
ReBRp1r	46	0.5048	0.4604	0.4101	0.1654	0.1574	-0.0387	-0.0
BeBRp1r	46	0.4949	0.3368	0.5415	-0.0160	0.0068	-0.1371	-0.1
SeBRp1r	46	0.4722	0.3912	0.4266	0.2049	0.0465	0.1240	0.0
MeBRp1r	46	0.5891	0.4739	0.5536	0.1417	0.0809	-0.0178	-0.0
ReHp1r	47	-0.0222	0.0313	-0.0453	0.0297	0.1650	0.5408	0.4
BeHp1r	47	-0.0377	-0.0238	-0.0653	-0.0438	0.0988	0.5498	0.5
SeHp1r	47	0.0502	0.0124	-0.0403	0.1019	0.1682	0.6912	0.4
MeHp1r	47	-0.0046	0.0054	-0.0550	0.0283	0.1528	0.6392	0.5

Table 75 continued 4/9

Character in Trial Te	Trial Ts	Trial Ts							
		BsGYOTr	BsWSp	BsWSr	BsSTp	BsSTr	BsHARDp	BsH	
ReSTVp1r	49	-0.2214	-0.1358	-0.4877	-0.0968	0.2573	0.3116	0.0	
BeSTVp1r	49	0.3308	0.4119	0.0621	0.3523	0.4621	-0.3284	0.0	
SeSTVp1r	49	0.3822	0.1757	-0.0578	0.5235	0.5657	-0.0816	-0.0	
MeSTVp1r	49	0.2719	0.2408	-0.2149	0.4130	0.6471	-0.0710	0.0	
ReBRVp1r	50	-0.1356	-0.2303	0.0713	0.0983	-0.2044	0.2744	-0.0	
BeBRVp1r	50	-0.2088	-0.0897	0.0489	-0.0939	-0.3529	-0.0426	0.0	
SeBRVp1r	50	-0.3045	0.0865	-0.0369	-0.2858	-0.2898	0.2576	-0.0	
MeBRVp1r	50	-0.3446	-0.1280	0.0452	-0.1459	-0.4496	0.2662	-0.0	
ReHVp1r	51	-0.1598	-0.1414	0.0211	0.1040	-0.1210	0.3686	0.0	
BeHVp1r	51	-0.0898	0.0968	0.1360	-0.1246	-0.2038	0.3317	0.0	
SeHVp1r	51	-0.0889	-0.1514	0.0939	0.1804	-0.1944	0.1559	-0.0	
MeHVp1r	51	-0.1587	-0.0837	0.1133	0.0628	-0.2358	0.4069	0.0	
ReGVp1r	52	0.2014	-0.0391	0.0179	0.1474	0.2559	0.2002	0.0	
BeGVp1r	52	0.4703	0.4690	0.6966	0.0629	-0.1114	-0.2853	-0.0	
SeGVp1r	52	0.0308	0.1462	0.0098	-0.1653	0.0480	0.1418	-0.0	
MeGVp1r	52	0.3838	0.3288	0.4210	0.0234	0.0770	-0.0042	-0.0	
			BsG_Bp	BsG_Br	BsGBp	BsGBr	BsSLSTp	SsTCHr	SsC
ReTCHpr	36	0.4872	0.7234	0.4799	0.6906	0.2296	0.8354	0.0	
BeTCHpr	36	0.2966	0.5224	0.2572	0.4417	0.0030	0.7543	-0.2	
SeTCHpr	36	0.2964	0.6919	0.2483	0.6149	-0.0101	0.8126	-0.1	
MeTCHpr	36	0.4002	0.7165	0.3646	0.6447	0.0802	0.8934	-0.1	
ReCCSpr	37	0.3098	-0.0552	0.4486	0.1485	0.3205	0.1307	0.5	
BeCCSpr	37	0.0891	-0.1721	0.2677	0.0135	0.1444	-0.1280	0.5	
SeCCSpr	37	0.1884	-0.0831	0.3855	0.1648	0.3329	0.0440	0.6	
MeCCSpr	37	0.2001	-0.1155	0.3841	0.1095	0.2751	0.0055	0.6	
ReTSHpr	38	0.5635	0.6620	0.6020	0.6958	0.3192	0.8229	0.2	
BeTSHpr	38	0.3437	0.4352	0.3778	0.4355	0.0622	0.6872	0.0	
SeTSHpr	38	0.3677	0.6401	0.3979	0.6590	0.1078	0.8059	0.1	
MeTSHpr	38	0.4729	0.6415	0.5113	0.6606	0.1794	0.8597	0.1	
ReGYOTpr	39	0.5651	0.5430	0.6292	0.6124	0.4039	0.7389	0.3	
BeGYOTpr	39	0.2511	0.2647	0.3232	0.3010	0.0732	0.4933	0.0	
SeGYOTpr	39	0.3566	0.4879	0.4331	0.5697	0.1936	0.6697	0.2	
MeGYOTpr	39	0.4324	0.4745	0.5121	0.5428	0.2431	0.7042	0.2	
ReWSpr	40	0.2180	0.3489	0.3600	0.4578	0.1806	0.3585	0.4	
BeWSpr	40	0.1298	0.3273	0.3134	0.4231	0.0353	0.4718	0.3	
SeWSpr	40	0.1720	0.4011	0.2765	0.4247	-0.0341	0.5041	0.1	
MeWSpr	40	0.1856	0.3833	0.3408	0.4668	0.0683	0.4748	0.3	

Table 75 continued 5/9

Character in Trial Te	Trial Ts	Trial Ts						
		BsG_Bp	BsG_Br	BsGBp	BsGBr	BsSSLSTp	SsTCHr	Ss
ReS7plr	42	0.5720	0.6015	0.5996	0.6543	0.2807	0.7560	0.1
BeS7plr	42	0.4944	0.6189	0.5851	0.6906	0.3059	0.6721	0.1
SeS7plr	42	0.4593	0.7021	0.5056	0.7645	0.1783	0.8225	0.1
MeS7plr	42	0.5621	0.7211	0.6255	0.7916	0.2812	0.8398	0.1
ReS8plr	43	0.5850	0.5679	0.5704	0.5816	0.2696	0.6512	0.1
BeS8plr	43	0.3811	0.6172	0.4028	0.6219	0.2749	0.7254	0.1
SeS8plr	43	0.4197	0.5562	0.4823	0.5937	0.2171	0.6487	0.1
MeS8plr	43	0.5593	0.7177	0.5902	0.7406	0.3127	0.8357	0.1
ReS10plr	44	0.2679	0.3807	0.3203	0.3795	-0.0142	0.5166	0.1
BeS10plr	44	0.3533	0.2440	0.3931	0.2684	0.1629	0.4016	0.1
SeS10plr	44	0.1044	0.3249	0.1930	0.3712	-0.0126	0.6165	0.1
MeS10plr	44	0.3566	0.4051	0.4310	0.4354	0.0919	0.6525	0.1
ReSTplr	45	0.2760	0.4759	0.1451	0.3426	-0.0006	0.5640	-0.2
BeSTplr	45	0.2058	0.2998	0.0165	0.1557	-0.0549	0.4053	-0.4
SeSTplr	45	0.1635	0.4040	0.0248	0.3093	0.0090	0.4500	-0.2
MeSTplr	45	0.2303	0.4198	0.0668	0.2870	-0.0169	0.5056	-0.3
ReBRplr	46	0.4478	0.2339	0.5669	0.4750	0.3189	0.4577	0.7
BeBRplr	46	0.2824	0.1283	0.4281	0.3423	0.2948	0.0727	0.6
SeBRplr	46	0.3125	0.0622	0.4868	0.3187	0.3265	0.1665	0.7
MeBRplr	46	0.4137	0.1655	0.5911	0.4509	0.3768	0.2701	0.8
ReHplr	47	-0.0457	0.2065	-0.1092	0.1127	0.1151	0.3144	-0.2
BeHplr	47	-0.1144	0.0333	-0.1233	-0.0093	0.1558	0.1982	-0.2
SeHplr	47	0.0218	0.1234	0.0432	0.1327	0.2021	0.2295	-0.0
MeHplr	47	-0.0526	0.1250	-0.0697	0.0803	0.1707	0.2631	-0.1
ReGplr	48	0.6295	0.6962	0.6289	0.7407	0.2861	0.8272	0.2
BeGplr	48	0.4757	0.6368	0.4920	0.6362	0.2820	0.7896	0.0
SeGplr	48	0.4683	0.7140	0.4986	0.7708	0.2028	0.8594	0.2
MeGplr	48	0.5768	0.7508	0.5937	0.7882	0.2820	0.9081	0.2
ReSTVplr	49	-0.1581	0.1117	-0.2964	-0.0582	0.0173	0.0388	-0.6
BeSTVplr	49	0.2896	0.3796	0.1482	0.3326	0.1058	0.2895	-0.1
SeSTVplr	49	0.3887	0.5160	0.3282	0.5896	0.2369	0.2432	0.1
MeSTVplr	49	0.2827	0.5148	0.1182	0.4553	0.1869	0.2922	-0.2
ReBRVplr	50	-0.2119	-0.0270	-0.2392	-0.1663	-0.1835	-0.1375	-0.1
BeBRVplr	50	0.1179	-0.1102	0.1585	-0.0727	-0.0207	-0.1640	-0.0
SeBRVplr	50	-0.1302	-0.1743	-0.1838	-0.2871	-0.0529	-0.3192	-0.2
MeBRVplr	50	-0.1251	-0.1644	-0.1477	-0.2819	-0.1402	-0.3303	-0.2
ReHVplr	51	-0.1169	-0.0195	-0.1043	-0.1322	-0.0111	-0.0913	0.0
BeHVplr	51	0.0159	-0.0851	0.0727	-0.1365	0.2021	-0.0070	0.1
SeHVplr	51	-0.0420	-0.0849	-0.0239	-0.0777	-0.0833	-0.1831	0.2
MeHVplr	51	-0.0675	-0.0844	-0.0266	-0.1630	0.0594	-0.1213	0.1

Table 75 continued 6/9

Character in	Trial	Trial Ts						
		Ts	SsTSHr	SsGYOTr	SsSEL7r	SsSEL8r	SsS10r	SsWSr
ReTCHpr	36	0.7654	0.6601	0.5392	0.3587	0.4334	-0.0186	0.3111
BeTCHpr	36	0.5723	0.4825	0.4439	0.3202	0.4413	-0.1392	0.6000
SeTCHpr	36	0.6468	0.5387	0.3998	0.2769	0.3443	0.0430	0.6000
MeTCHpr	36	0.7359	0.6234	0.5152	0.3567	0.4565	-0.0480	0.6000
ReCCSpr	37	0.3559	0.4083	0.4440	0.4994	0.3653	0.2602	-0.1000
BeCCSpr	37	0.1025	0.2036	0.2357	0.3717	0.1446	0.3515	-0.3000
SeCCSpr	37	0.3214	0.3841	0.4082	0.4220	0.1925	0.2743	-0.2000
MeCCSpr	37	0.2657	0.3447	0.3774	0.4548	0.2417	0.3192	-0.2000
ReTSHpr	38	0.8298	0.7486	0.6451	0.4960	0.5255	0.0804	0.4000
BeTSHpr	38	0.6036	0.5561	0.5343	0.4609	0.4870	0.0011	0.4000
SeTSHpr	38	0.7501	0.6683	0.5422	0.4290	0.4133	0.1564	0.4000
MeTSHpr	38	0.8091	0.7316	0.6407	0.5170	0.5327	0.0848	0.5000
ReGYOTpr	39	0.7893	0.7349	0.6875	0.5911	0.5917	0.1159	0.3000
BeGYOTpr	39	0.4713	0.4589	0.4604	0.4443	0.4026	0.0764	0.2000
SeGYOTpr	39	0.6870	0.6389	0.5780	0.5018	0.4132	0.1826	0.3000
MeGYOTpr	39	0.7191	0.6778	0.6406	0.5730	0.5255	0.1363	0.3000
ReWSpr	40	0.4831	0.4663	0.2575	0.3018	0.2580	0.7283	-0.3000
BeWSpr	40	0.5587	0.5283	0.3604	0.3818	0.3239	0.6743	-0.1000
SeWSpr	40	0.4959	0.4478	0.2249	0.3291	0.3176	0.6804	-0.1000
MeWSpr	40	0.5502	0.5168	0.3035	0.3623	0.3208	0.7447	-0.2000
ReFIBRpr	41	0.3153	0.1883	0.0750	-0.1521	0.0226	-0.0116	0.3000
BeFIBRpr	41	0.2651	0.1530	0.1410	-0.0351	0.1076	0.0009	0.3000
SeFIBRpr	41	0.3184	0.2186	0.1795	-0.0429	0.1163	0.0057	0.3000
MeFIBRpr	41	0.3120	0.1935	0.1377	-0.0790	0.0867	-0.0017	0.3000
ReS7p1r	42	0.7617	0.7314	0.7449	0.6692	0.6704	-0.0075	0.4000
BeS7p1r	42	0.6742	0.6623	0.6148	0.5864	0.5248	0.3020	0.2000
SeS7p1r	42	0.8346	0.7963	0.6822	0.5682	0.4758	0.1235	0.5000
MeS7p1r	42	0.8474	0.8174	0.7555	0.6735	0.6112	0.1680	0.4000
ReS8p1r	43	0.6294	0.5663	0.5640	0.4382	0.5268	-0.1345	0.4000
BeS8p1r	43	0.6452	0.6146	0.5866	0.5499	0.5824	0.1715	0.3000
SeS8p1r	43	0.6733	0.6273	0.5232	0.4865	0.4178	0.3375	0.2000
MeS8p1r	43	0.8018	0.7460	0.6886	0.6114	0.6290	0.1718	0.4000
ReS10p1r	44	0.5001	0.4248	0.3894	0.1994	0.2975	-0.1541	0.4000
BeS10p1r	44	0.3848	0.3753	0.3746	0.4053	0.5331	0.3148	0.0000
SeS10p1r	44	0.5780	0.5119	0.4799	0.4257	0.4242	0.1280	0.3000
MeS10p1r	44	0.6229	0.5663	0.5417	0.4707	0.5870	0.1807	0.3000
ReSTp1r	45	0.3765	0.2879	0.3076	0.0750	0.1840	-0.6340	0.8000
BeSTp1r	45	0.1682	0.1076	0.1688	0.0237	0.1726	-0.6644	0.7000
SeSTp1r	45	0.2951	0.2292	0.2586	0.0344	0.1032	-0.5403	0.7000
MeSTp1r	45	0.2988	0.2221	0.2615	0.0475	0.1643	-0.6554	0.8000

Table 75 continued 7/9

Character in Trial Te		Trial Ts						
		SsTSHr	SsGYOTr	SsSEL7r	SsSEL8r	SsS10r	SsWSr	SsS
ReHp1r	47	0.1413	0.0322	0.0390	-0.0932	-0.0262	0.2411	0.1
BeHp1r	47	0.0851	-0.0200	0.0677	-0.0788	-0.0608	0.2401	0.0
SeHp1r	47	0.1909	0.0981	0.1056	-0.1015	-0.0577	0.1878	0.0
MeHp1r	47	0.1475	0.0372	0.0767	-0.0977	-0.0530	0.2407	0.0
ReGp1r	48	0.8235	0.7605	0.6991	0.5426	0.5980	-0.0407	0.1
BeGp1r	48	0.7105	0.6540	0.6053	0.5426	0.5740	0.2243	0.4
SeGp1r	48	0.8473	0.7876	0.6650	0.5523	0.4905	0.1548	0.1
MeGp1r	48	0.8738	0.8081	0.7223	0.6003	0.6089	0.1235	0.1
ReSTVp1r	49	-0.2490	-0.3462	-0.2761	-0.3158	-0.2239	-0.3127	0.2
BeSTVp1r	49	0.1818	0.2132	0.2102	0.2278	0.3364	-0.1968	0.3
SeSTVp1r	49	0.2743	0.3007	0.2676	0.1331	0.1579	-0.3485	0.4
MeSTVp1r	49	0.1274	0.1143	0.1262	0.0460	0.1544	-0.4225	0.1
ReBRVp1r	50	-0.1947	-0.2482	-0.4267	-0.3590	-0.3701	0.3444	-0.3
BeBRVp1r	50	-0.1558	-0.1671	-0.1541	-0.1827	-0.1314	0.0984	-0.1
SeBRVp1r	50	-0.3775	-0.4107	-0.4297	-0.3332	-0.2387	0.1912	-0.3
MeBRVp1r	50	-0.3885	-0.4416	-0.5436	-0.4699	-0.3993	0.3429	-0.4
ReHVp1r	51	-0.0790	-0.1294	-0.2019	-0.2324	-0.2314	0.2110	-0.1
BeHVp1r	51	0.0518	0.0336	0.0445	0.1262	0.0921	0.2973	-0.2
SeHVp1r	51	-0.0562	-0.0570	-0.2450	-0.3219	-0.2877	0.1903	-0.3
MeHVp1r	51	-0.0367	-0.0711	-0.1762	-0.1822	-0.1848	0.3247	-0.3
ReGVp1r	52	0.2291	0.2205	0.2079	0.2324	0.2452	-0.0163	0.1
BeGVp1r	52	0.2124	0.2719	0.1898	0.3119	0.3427	0.4632	-0.2
SeGVp1r	52	0.1960	0.1531	0.1437	0.1773	0.2899	0.1923	0.0
MeGVp1r	52	0.3274	0.3370	0.2785	0.3779	0.4576	0.3588	-0.0
		SsHARDr	SsvisGr	SsSTVr	SsBRVr	SsGVARr	SsG_Br	SsG
ReTCHpr	36	0.1666	0.6101	0.3812	-0.4459	0.2352	0.8154	0.7
BeTCHpr	36	0.0737	0.4946	0.6504	-0.3769	0.2362	0.6978	0.5
SeTCHpr	36	0.2051	0.4798	0.5839	-0.2533	0.2385	0.7932	0.5
MeTCHpr	36	0.1622	0.5895	0.6072	-0.4027	0.2646	0.8565	0.7
ReCCSpr	37	-0.3874	0.3973	-0.1812	-0.2719	0.4001	0.0098	0.3
BeCCSpr	37	-0.4078	0.1554	-0.3947	-0.0610	0.2189	-0.1878	0.0
SeCCSpr	37	-0.2189	0.3475	-0.4534	-0.2743	0.2867	-0.0376	0.3
MeCCSpr	37	-0.3640	0.3093	-0.3722	-0.2058	0.3150	-0.0854	0.2
ReTSHpr	38	0.0241	0.6942	0.2952	-0.4905	0.3534	0.7691	0.8
BeTSHpr	38	-0.1004	0.5491	0.4696	-0.3768	0.3165	0.5987	0.5
SeTSHpr	38	0.0998	0.5939	0.4023	-0.3287	0.3504	0.7566	0.6
MeTSHpr	38	0.0036	0.6827	0.4378	-0.4459	0.3793	0.7872	0.7

Table 75 continued 8/9

Character in Trial Te	Trial Ts							
	SsHARDr	SsvisGr	SsSTVr	SsBRVr	SsGVARR	SsG_Br	SsC	
ReWSpr	40	0.1959	0.2415	-0.4322	0.0270	0.2361	0.3732	0.5
BeWSpr	40	0.1215	0.3314	-0.2444	-0.0316	0.2826	0.4559	0.5
SeWSpr	40	0.0644	0.2284	-0.1815	0.0520	0.2618	0.4127	0.4
MeWSpr	40	0.1387	0.2880	-0.3101	0.0154	0.2789	0.4439	0.5
ReFIBRpr	41	0.4085	0.1282	0.3520	-0.1094	0.0281	0.4681	0.2
BeFIBRpr	41	0.4467	0.1708	0.3193	0.0061	0.1277	0.4745	0.2
SeFIBRpr	41	0.4920	0.2272	0.1550	-0.1157	0.1475	0.4052	0.3
MeFIBRpr	41	0.4696	0.1827	0.2925	-0.0722	0.1064	0.4725	0.2
ReS7p1r	42	-0.0462	0.7453	0.2415	-0.2563	0.5645	0.7373	0.7
BeS7p1r	42	-0.0083	0.6211	0.0518	-0.2885	0.3785	0.6718	0.7
SeS7p1r	42	0.1501	0.7683	0.1746	-0.4676	0.3221	0.7298	0.7
MeS7p1r	42	0.0449	0.7939	0.1675	-0.3870	0.4571	0.7953	0.8
ReS8p1r	43	-0.1299	0.5887	0.2823	-0.2213	0.3223	0.7020	0.7
BeS8p1r	43	0.0701	0.5961	0.2592	-0.1469	0.4048	0.7058	0.6
SeS8p1r	43	0.1033	0.5542	0.1419	-0.3810	0.3675	0.6546	0.6
MeS8p1r	43	0.0288	0.7149	0.2786	-0.3064	0.4539	0.8475	0.8
ReS10p1r	44	-0.0153	0.4168	0.3686	-0.3125	0.1177	0.5615	0.5
BeS10p1r	44	-0.1336	0.3366	0.1238	0.1949	0.5208	0.4022	0.4
SeS10p1r	44	0.2180	0.4937	0.2547	0.0079	0.3161	0.5985	0.5
MeS10p1r	44	-0.0161	0.5331	0.3022	0.0057	0.4750	0.6639	0.6
ReSTp1r	45	0.0236	0.4034	0.7636	-0.4487	-0.0018	0.5106	0.2
BeSTp1r	45	0.0060	0.2632	0.8152	-0.3717	0.0017	0.3518	0.0
SeSTp1r	45	0.1784	0.3418	0.7588	-0.3315	0.0317	0.4929	0.2
MeSTp1r	45	0.0727	0.3589	0.8324	-0.4107	0.0110	0.4819	0.2
ReBRp1r	46	-0.1384	0.6438	-0.0581	-0.1621	0.6252	0.3287	0.6
BeBRp1r	46	-0.2261	0.3633	-0.4633	-0.2519	0.3028	0.0018	0.2
SeBRp1r	46	0.0096	0.5052	-0.4624	-0.3500	0.3604	0.0624	0.4
MeBRp1r	46	-0.1396	0.6010	-0.4061	-0.3110	0.5082	0.1492	0.5
ReHp1r	47	0.6809	-0.0071	0.1409	0.1331	0.0768	0.3367	0.1
BeHp1r	47	0.6754	0.0043	0.0907	0.0856	0.1014	0.3421	0.1
SeHp1r	47	0.6404	0.1065	-0.0558	-0.0813	0.0238	0.2251	0.1
MeHp1r	47	0.7174	0.0367	0.0629	0.0494	0.0739	0.3258	0.1
ReGp1r	48	0.0174	0.7346	0.3068	-0.4012	0.4443	0.7996	0.8
BeGp1r	48	0.0714	0.6168	0.3112	-0.2063	0.4181	0.7791	0.7
SeGp1r	48	0.2067	0.7464	0.2033	-0.4894	0.3425	0.7869	0.7
MeGp1r	48	0.1091	0.7698	0.3004	-0.4040	0.4412	0.8672	0.8
ReSTVp1r	49	0.3521	-0.1958	0.3600	-0.0948	-0.4137	0.0934	-0.2
BeSTVp1r	49	0.0350	0.3123	0.1599	-0.1044	0.2410	0.2047	0.0
SeSTVp1r	49	-0.0134	0.3559	0.2035	-0.2211	0.0703	0.2977	0.3
MeSTVp1r	49	0.1660	0.2600	0.3477	-0.2120	-0.0240	0.3026	0.1

Table 76. AOV of correlations between family means of Re, Be and Se types in P and R crops in trial Te vs combined Bs and Ss characters in trial Ts. Interactions, if significant, are shown in boxes.

Character	Ts trial	Crops	F values		Crops * Type	Means			Te type			Mean (M)
			Crops	Type		General mean	Crops P	R	Re	Be	Se	
CH	P	0.2	58.8**	2.0	0.2902	0.2863	0.2941	0.4562 >> 0.1735 = 0.2147 << 0.3				
CH	R	0.2	9.5**	2.1	0.421	0.426	0.416	0.463 >> 0.346	0.394 << 0.4			M >>
CH	PR	0.5	21.0**	1.3	0.3869	0.3935	0.3803	0.4853 >> 0.2974 = 0.3328 << 0.4				M >>
CS	P	0.0	77.4**	27.7**	0.2095	0.2094	0.2097	0.2287 >> 0.0806 << 0.3086 >> 0.2				M >
								P 0.3051 >> 0.0661 << 0.2488 0.2 Re >> Se, M M >> R 0.1523 >> 0.0951 << 0.3685 >> 0.2 Se >> Re M >> P >> R R >> P				
CS	R	6.1*	20.5**	7.6**	0.1832	0.1982	0.1682	0.2153 >> 0.1026 << 0.2201 = 0.1				M >
								P 0.2740 >> 0.1107 << 0.1976 = 0.2 Re >> Se, M M >> R 0.1567 > 0.0945 << 0.2425 >> 0.1 Se >> Re M >> P >> R				
CS	PR	1.7	43.3**	22.3**	0.1797	0.1872	0.1722	0.2237 >> 0.0700 << 0.2357 >> 0.1				M >>
								P 0.2978 >> 0.0769 << 0.1766 = 0.1 M >> R 0.1496 >> 0.0631 << 0.2948 >> 0.1 P >> R R >> P M >> M >>				
SH	P	1.1	59.3**	2.5	0.3552	0.3465	0.3639	0.5092 >> 0.2042 << 0.3181 << 0.3				
SH	R	0.0	11.8**	1.5	0.469	0.470	0.468	0.510 >> 0.372 << 0.462 < 0.5				M >>

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Character n eval- ation rial	Seed- ling crop	F values		Crops * Type	Means			Te type			
		Crops	Type		General mean	Crops P	R	Re	Be	Se	Mea M
MGYOT	P	6.8*	92.5**	8.6**	0.3174	0.3372 >	0.2975	0.4836 >>	0.1267 <<	0.3155 =	0.3
								Re>>Se,M			
								P 0.4999 >>	0.1942 <<	0.2761 <<	0.3
								Re>>Se,M			
								R 0.4672 >>	0.0591 <<	0.3549	0.3
								Re>>Se,M	P>>R	R>P	P>I
MGYOT	R	14.7**	24.6**	6.4**	0.4109	0.4464 >>	0.3754	0.4859 >>	0.2798 <<	0.4183 =	0.4
								Re>Se			M>>I
								P 0.4712 >>	0.3676	0.4267 <	0.5
											M>>I
								R 0.5005 >>	0.1921 <<	0.4098	0.3
								Re>>M			M>>I
								Re>Se	P>>R		P>>I
MGYOT	PR	11.7**	49.6**	7.5**	0.3900	0.4198 >>	0.3601	0.5166 >>	0.2245 <<	0.3884 =	0.4
								Re>>Se,M			
								P 0.5247 >>	0.3079 =	0.3637 <<	0.4
								R 0.5084 >>	0.1411 <<	0.4130	0.3
								Re>>Se,M			M>>I
									P>>R		P>>I
BRE	P	0.2	25.0**	5.3**	0.1801	0.1823	0.1779	0.1552 =	0.1324 <<	0.2442 >>	0.18
										Se>Re	M>R
								P 0.1422 =	0.1206 <<	0.2789 >>	0.18
								Re<M			M>
								R 0.1683	0.1441 <<	0.2095	0.18
								Re<Se		P>>R	M>B
BRE	R	0.0	3.7*	8.8**	0.1645	0.1640	0.1650	0.1533	0.1482 <<	0.1838	0.17
										Se>Re	M>B
								P 0.1384	0.1273 <<	0.2203 >>	0.16
										Se>>Re	
								R 0.1682	0.1690	0.1473	0.17

Character	Seedling crop	F values Crops	Type	Crops * Type	Means General mean	Crops P	R	Te type Re	Be	Se	Mean M
	PR	1.3	9.1**	8.6**	0.1911	0.1966	0.1856	0.1646	0.1711	<< 0.2277 Se>>Re	0.2009 M>>Re
								P 0.1535 = 0.1552 << 0.2742 >> 0.2035 Se>>Re M>>Re R 0.1757 0.1871 0.1812 0.1983 P>>R			
	P	88.4**	4.1**	1.7	0.392	0.290	<< 0.495	0.426	>> 0.340	0.373	0.431 M>>Be
	R	19.6**	3.2*	1.3	0.513	0.455	<< 0.571	0.474 Re<<M	0.482	0.520	0.576 M>>Be
	PR	17.8**	3.6*	0.4	0.479	0.428	<< 0.529	0.490	0.427	0.463	< 0.535 M>>Be
	P	103.5**	7.0**	10.8**	0.389	0.273	<< 0.506	0.403	>> 0.300	<< 0.426	= 0.429
								P 0.214 = 0.163 << 0.415 > 0.301 Se>>Re M>>Be R 0.592 >> 0.437 = 0.437 << 0.557 R>>P R>>P R>>P			
	R	41.2**	6.3**	0.1	0.484	0.394	<< 0.574	0.398	0.457	0.527 Se,M>>Re	0.554 M>>Be
	PR	31.6**	5.6**	2.1	0.462	0.390	<< 0.534	0.423	0.398	<< 0.504 Se>Re	= 0.523 M>>Be,Re
	P	30.3**	8.3**	9.1**	0.284	0.224	<< 0.345	0.304	= 0.307	>> 0.192	<< 0.334
								P 0.156 < 0.263 0.203 0.275 M>>Re R 0.453 > 0.352 >> 0.181 << 0.393 R>>P R>P R>>P			
	R	68.4**	5.4**	3.9*	0.334	0.231	<< 0.436	0.287	< 0.357	> 0.287	<< 0.405 M>>Re

Character	Seedling crop	F values Crops	Type	Crops * Type	Means General mean	Crops P	R	Te type Re	Be	Se	Mean M																																			
	PR	23.8**	6.4**	5.4**	0.339	0.282	<< 0.397	0.318	0.367	>> 0.268	<< 0.405 M>>Re																																			
<table border="1"> <tr> <td>P</td> <td>0.183</td> <td><< 0.341</td> <td>0.256</td> <td>0.348</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>M>>Re</td> </tr> <tr> <td>R</td> <td>0.453</td> <td>0.393</td> <td>> 0.280</td> <td><< 0.462</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>Re>>Se</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>R>>P</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>R>P</td> </tr> </table>												P	0.183	<< 0.341	0.256	0.348					M>>Re	R	0.453	0.393	> 0.280	<< 0.462					Re>>Se					R>>P					R>P					
P	0.183	<< 0.341	0.256	0.348																																										
				M>>Re																																										
R	0.453	0.393	> 0.280	<< 0.462																																										
				Re>>Se																																										
				R>>P																																										
				R>P																																										
FALK	P	116.9**	26.3**	18.4**	0.3056	0.2327	<< 0.3784	0.3738	>> 0.3049	>> 0.2109	<< 0.3326 Re>M																																			
<table border="1"> <tr> <td>P</td> <td>0.2242</td> <td>< 0.2829</td> <td>>> 0.1756</td> <td><< 0.2480</td> </tr> <tr> <td>R</td> <td>0.5233</td> <td>>> 0.3269</td> <td>>> 0.2462</td> <td><< 0.4172</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>Re>>M</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>M>>Be</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>R>>P</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>R>>P</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>R>>P</td> </tr> </table>												P	0.2242	< 0.2829	>> 0.1756	<< 0.2480	R	0.5233	>> 0.3269	>> 0.2462	<< 0.4172					Re>>M					M>>Be					R>>P					R>>P					R>>P
P	0.2242	< 0.2829	>> 0.1756	<< 0.2480																																										
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				Re>>M																																										
				M>>Be																																										
				R>>P																																										
				R>>P																																										
				R>>P																																										
FALK	R	34.5**	10.6**	19.9**	0.3369	0.3740	>> 0.2998	0.3376	0.3660	>> 0.2785	<< 0.3656 Re>>Se																																			
<table border="1"> <tr> <td>P</td> <td>0.2986</td> <td><< 0.4258</td> <td>> 0.3723</td> <td>0.3994</td> </tr> <tr> <td></td> <td></td> <td></td> <td>Se>>Re</td> <td>M>>Re</td> </tr> <tr> <td>R</td> <td>0.3766</td> <td>>> 0.3062</td> <td>>> 0.1848</td> <td><< 0.3317</td> </tr> <tr> <td></td> <td></td> <td></td> <td>P>>R</td> <td>P>>R</td> </tr> <tr> <td></td> <td></td> <td></td> <td>P>>R</td> <td>P>>R</td> </tr> </table>												P	0.2986	<< 0.4258	> 0.3723	0.3994				Se>>Re	M>>Re	R	0.3766	>> 0.3062	>> 0.1848	<< 0.3317				P>>R	P>>R				P>>R	P>>R										
P	0.2986	<< 0.4258	> 0.3723	0.3994																																										
			Se>>Re	M>>Re																																										
R	0.3766	>> 0.3062	>> 0.1848	<< 0.3317																																										
			P>>R	P>>R																																										
			P>>R	P>>R																																										
FALK	PR	11.2**	12.9**	18.4**	0.3075	0.2877	<< 0.3274	0.3290	= 0.3226	>> 0.2439	<< 0.3347 Re>>Se																																			
<table border="1"> <tr> <td>P</td> <td>0.2428</td> <td><< 0.3244</td> <td>> 0.2772</td> <td>0.3064</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>M>>Re</td> </tr> <tr> <td>R</td> <td>0.4153</td> <td>>> 0.3207</td> <td>>> 0.2106</td> <td><< 0.3630</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>Re>M</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>R>>P</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>P>>R</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>R>P</td> </tr> </table>												P	0.2428	<< 0.3244	> 0.2772	0.3064					M>>Re	R	0.4153	>> 0.3207	>> 0.2106	<< 0.3630					Re>M					R>>P					P>>R					R>P
P	0.2428	<< 0.3244	> 0.2772	0.3064																																										
				M>>Re																																										
R	0.4153	>> 0.3207	>> 0.2106	<< 0.3630																																										
				Re>M																																										
				R>>P																																										
				P>>R																																										
				R>P																																										
KS	P	0.8	25.2**	2.7*	0.0476	0.0414	0.0539	0.1345	>>-0.0394	<< 0.0430	= 0.0524 Re>>Se,M M>>Be																																			
<table border="1"> <tr> <td>P</td> <td>0.1563</td> <td>>>-0.0464</td> <td>= 0.0075</td> <td>0.0481</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>M>>Be</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>Re>>Se,M</td> </tr> </table>												P	0.1563	>>-0.0464	= 0.0075	0.0481					M>>Be					Re>>Se,M																				
P	0.1563	>>-0.0464	= 0.0075	0.0481																																										
				M>>Be																																										
				Re>>Se,M																																										

ter	Seed-	F values			Means			Te type			
il-	ling	Crops	Type	Crops	General	Crops	R	Re	Be	Se	Mean
l	crop			*	mean	P					M
				Type							
5	R	79.8**	5.4**	4.8**	0.1274	0.0469	<< 0.2079	0.1732	>> 0.0718	< 0.1274	= 0.1373
											M>Be
								P 0.1138	> 0.0261	-0.0082	0.0562
								Re>>Se			
								R 0.2326	>> 0.1175	<< 0.2631	0.2183
											M>Be
								R>>P	R>P	R>>P	R>>P
5	PR	21.9**	11.0**	5.1**	0.1350	0.1001	<< 0.1699	0.1933	>> 0.0744	< 0.1240	0.1483
								Re>>Se	Be<<M		M<Re
								P 0.1808	>> 0.0612	0.0402	<< 0.1181
								Re>>Se			
								R 0.2058	>> 0.0877	<< 0.2078	= 0.1785
											M>Be
										R>>P	R>P
	P	241.6**	10.3**	0.5	0.340	0.158	<< 0.523	0.356	>> 0.229	<< 0.387	= 0.389
	R	19.1**	12.3**	1.3	0.301	0.255	<< 0.347	0.370	>> 0.204	<< 0.285	< 0.346
								Re>>Se			M>Be
	PR	58.9**	12.7**	0.1	0.303	0.220	<< 0.387	0.363	>> 0.191	<< 0.311	= 0.349
											M>Be
ESS	P	5.1*	28.6**	18.8**	0.0918	0.0784	< 0.1051	0.0300	= 0.0599	<< 0.1763	>> 0.1009
								Re<<Se,M			M>Be
								P 0.0842	0.0390	<< 0.1054	0.0851
								R -0.0243	<< 0.0808	<< 0.2473	>> 0.1166
								P>>R		R>>P	M>Re
ESS	R	6.6*	1.2	20.3**	0.0964	0.1124	> 0.0804	0.0907	0.0804	0.1099	0.1046
								P 0.1564	= 0.1243	>> 0.0469	<< 0.1220
								Re>>Se			
								R 0.0251	= 0.0365	<< 0.1729	>> 0.0873
										Se>>Re	M>Re
								P>>R	P>>R	R>>P	M>Be

Inter- al-	Seed- ling crop	F values Crops	Type	Crops * Type	Means General mean	Crops P	R	Te type Re	Be	Se	Mean M
ESS	PR	5.8*	5.5**	23.9**	0.1110	0.1254	> 0.0966	0.0819	= 0.0948	<< 0.1448	0.1225
										Se>>Re	M>Re
								P 0.1616	0.1210	0.0820	< 0.1372
								Re>>Se			
								R 0.0022	<< 0.0686	<< 0.2076	>> 0.1078
								P>>R	P>R	R>>P	M>>Re
l NMG	P	76.3**	11.0**	4.2**	0.412	0.315	<< 0.508	0.485	>> 0.314	<< 0.404	0.445
								Re>Se			M>>Be
								P 0.411	>> 0.154	<< 0.348	= 0.350
								R 0.560	0.474	0.460	0.540
								Re>Se	R>>P		
l NMG	R	33.3**	3.7*	3.1*	0.507	0.431	<< 0.582	0.486	0.447	< 0.534	0.560
								Re<M			M>>Be
								P 0.468	>> 0.321	< 0.439	0.497
											M>>Be
								R 0.503	0.573	0.628	0.623
										Se>Re	M>Re
									R>>P	R>>P	R>P
l NMG	PR	20.0**	5.1**	2.9*	0.487	0.433	<< 0.542	0.515	>> 0.410	< 0.488	0.536
											M>>Be
								P 0.499	>> 0.297	<< 0.445	0.490
											M>>Be
								R 0.531	0.524	0.531	0.582
									R>>P		
R	P	5.7*	49.2**	2.6	0.059	0.088	> 0.031	-0.169	<< 0.090	<< 0.231	>> 0.086
											M>>Re
R	R	9.0**	39.7**	3.2*	0.094	0.057	<< 0.131	-0.135	<< 0.169	0.215	> 0.126
										Se>>Re	M>>Re
								P -0.211	<< 0.128	< 0.241	>> 0.068

ter	Seed-	F values			Means			Te type				
al-	ling	Crops	Type	Crops	General	Crops	R	Re	Be	Se	Mean	
n	crop			*	mean	P					M	
			Type	Type								
R	PR	1.2	41.3**	3.9*	0.094	0.081	0.107	-0.132	<< 0.160	0.223 >>	0.127	
										Se>>Re	M>>Re	
								P	-0.186	<< 0.131	<< 0.279 >>	0.102
										Se>>Re	M>>Re	
								R	-0.077	<< 0.188	0.167	0.151
										Se>>Re	M>>Re	
								R>P		P>R		
VAR	P	164.8**	16.3**	41.8**	-0.092	0.038	>>-0.223	-0.058	< 0.006	>>-0.175	-0.143	
								Re>>Se,M	Be>>M			
								P	-0.122	<< 0.176	>> 0.047 =	0.049
										Be>>M	Se>>Re	M>>Re
								R	0.006	>>-0.165	>>-0.396	-0.335
								R>>P	P>>R	P>>R	P>>R	
VAR	R	28.5**	18.0**	34.9**	-0.147	-0.080	>> -0.214	-0.084	-0.032	>>-0.261	-0.210	
								Re>>M	Be>>M	Se<<Re		
								P	-0.215	<< 0.043	-0.034	-0.114
										Be>>M	Se>>Re	M>>Re
								R	0.047	>> -0.108	>> -0.488 <<	-0.306
								Re>>M	Be>>M			
								R>>P	P>>R	P>>R	P>>R	
VAR	PR	57.4**	17.0**	35.1**	-0.131	-0.044	>> -0.219	-0.098	<< -0.013	>> -0.222	-0.193	
								Re>>M	Be>>M			
								P	-0.203	<< 0.098 >	-0.007	-0.065
										Be>>M	Se>>Re	M>>Re
								R	0.007	>> -0.125	>> -0.437 <	-0.320
								Re>>M	Be>>M			
								R>>P	P>>R	P>>R	P>>R	
VAR	P	81.1**	10.2**	54.2**	0.113	0.012	<< 0.215	0.056	<< 0.189	>> 0.048	<< 0.160	
											M>>Re	
								P	-0.271	<< 0.198 >	0.084	0.037

ster	Seed-ling crop	F values		Crops * Type	Means General mean	Crops P	R	Te type			Mean M																									
		Crops	Type					Re	Be	Se																										
AR	R	88.4**	12.0**	15.5**	0.164	0.052	<< 0.277	0.103	<< 0.241	>> 0.082	<< 0.230 M>>Re																									
								<table border="1"> <tr> <td>P</td> <td>-0.135</td> <td><< 0.210</td> <td>>> 0.032</td> <td>0.099</td> </tr> <tr> <td></td> <td></td> <td>Be>M</td> <td>Se>>Re</td> <td>M>>Re</td> </tr> <tr> <td>R</td> <td>0.341</td> <td>0.272</td> <td>>> 0.133</td> <td><< 0.361</td> </tr> <tr> <td></td> <td></td> <td>Re>>Se</td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td>R>>P</td> <td>R>P</td> <td>R>>P</td> </tr> </table>				P	-0.135	<< 0.210	>> 0.032	0.099			Be>M	Se>>Re	M>>Re	R	0.341	0.272	>> 0.133	<< 0.361			Re>>Se					R>>P	R>P	R>>P
P	-0.135	<< 0.210	>> 0.032	0.099																																
		Be>M	Se>>Re	M>>Re																																
R	0.341	0.272	>> 0.133	<< 0.361																																
		Re>>Se																																		
		R>>P	R>P	R>>P																																
AR	PR	114.4**	11.0**	29.0**	0.146	0.022	<< 0.270	0.084	<< 0.223	>> 0.075	<< 0.201 M>>Re																									
								<table border="1"> <tr> <td>P</td> <td>-0.205</td> <td><< 0.191</td> <td>>> 0.052</td> <td>= 0.049</td> </tr> <tr> <td></td> <td></td> <td></td> <td>Se>>Re</td> <td>M>>Re</td> </tr> <tr> <td>R</td> <td>0.374</td> <td>> 0.255</td> <td>>> 0.097</td> <td><< 0.352</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>M>>Be</td> </tr> <tr> <td></td> <td></td> <td></td> <td>R>>P</td> <td>R>>P</td> </tr> </table>				P	-0.205	<< 0.191	>> 0.052	= 0.049				Se>>Re	M>>Re	R	0.374	> 0.255	>> 0.097	<< 0.352					M>>Be				R>>P	R>>P
P	-0.205	<< 0.191	>> 0.052	= 0.049																																
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				M>>Be																																
			R>>P	R>>P																																

factorial AOV with two crops (P, R) * four types (Re, Be, Se, Mean). There were 28 replicates = 28 seedling clusters (11 bunch + 17 single). Each mean in the Te trial was based on all three replications.

replications from Tables 71, 72 and 73 were used as data for this analysis. Replications were transformed to Z values. $Z = (\text{LOGe}(1+r) - \text{LOGe}(1-r))/2$. Z values are presented in the table.

Term a >> b = c shows that a >> c. The = is used for a non-significant difference in some cases to give a clearer presentation. >> shows $P \leq 0.01$, > shows $P \leq 0.05$

AR = within-family variance for visual net merit grade. ST = number of stalks
 = number of seedlings with visual NMG 8.0 or higher.

Table 77. AOV of correlations between family means, of Re, Be and Se types in trial Te, PR crop vs combined Bs and Ss characters in trial Ts.

Character No. in Te trial	F values Type	Means General mean	Te type Re	Be	Se	Mean M
TCH	1 40.8**	0.4017	0.5482 >> Re>>Se,M	0.2904 =	0.3331 <<	0.4351 M>>Be
TCH	2 23.8**	0.4610	0.5370 >> Re>>Se	0.3717 <<	0.4220 <<	0.5133 M>>Be
CCS	1 63.0**	0.1829	0.2271 >> Re>>M	0.0559 <<	0.2638 >>	0.1846 M>>Be
CCS	2 29.8**	0.1814	0.2262 >> Re>M	0.0887 <<	0.2247 >	0.1858 M>>Be
TSH	1 49.9**	0.4615	0.6090 >> Re>>Se,M	0.3050 <<	0.4329 <	0.4992 M>>Be
TSH	2 34.9**	0.5167	0.5946 >> Re>>Se	0.3960 <<	0.5036 <<	0.5728 M>>Be
NMGYOT	1 77.0**	0.4038	0.5699 >> Re>>Se,M	0.2076 <<	0.4099	0.4277 M>>Be
NMGYOT	2 63.3**	0.4497	0.5625 >> Re>>Se,M	0.2930 <<	0.4548	0.4885 M>>Be
SEL7	1 24.1**	0.5524	0.5886 >> Re>>Se	0.4751 <<	0.5268 <<	0.6189 M>>Be
SEL7	2 7.3**	0.613	0.596	0.560	0.604 <<	0.692 M>>Be, Re
SEL8	1 23.2**	0.4727	0.4824 >> Re>>Se	0.4110	0.4203 <<	0.5772 M>>Re, Be
SEL8	2 16.5**	0.529	0.466	0.512	0.482 <<	0.654 M>>Re, Be
SEL10	1 11.3**	0.3434	0.3189	0.2908	0.3338 <<	0.4300 M>>Re, Be
SEL10	2 8.2**	0.369	0.309	0.350	0.348 <<	0.470 M>>Re, Be

Table 77 continued 2/3

Character No. in Te trial	F values Type	Means General mean	Type Re	Be	Se	Mean M	
STALKS	1	34.0**	0.1358	0.1980 >> Re>>Se,M	0.0548 <<	0.1441 =	0.1461 M>>Be
STALKS	2	21.8**	0.1646	0.2187 >> Re>>Se,Re>M	0.0907 <<	0.1723 =	0.1766 M>>Be
BRIX	1	34.4**	0.3893	0.4404 >> Re>Se	0.2595 <<	0.3934 <<	0.4639 M>>Be
BRIX	2	29.3**	0.3647	0.4535 >> Re>>Se	0.2497 <<	0.3296 <<	0.4260
HARDNESS	1	15.5**	0.1289	0.0850	0.1081 <<	0.1831 >> Se,M>>Re	0.1393 M>Be
HARDNESS	2	5.7**	0.1037	0.0934	0.0762 <<	0.1350 Se>>Re	0.1102 M>Be
Visual NMG	1	29.7**	0.5713	0.6399 >> Re>>Se	0.4608 <<	0.5522 <<	0.6325 M>>Be
Visual NMG	2	10.6**	0.6263	0.6309 >>	0.5610 <	0.6136 <<	0.6997 M>>Be,Re
ST_VAR	1	31.2**	0.093	-0.149 <<	0.140 <	0.244 > Se>>Re	0.137 M>>Re
ST_VAR	2	35.1**	0.124	-0.133 <<	0.202	0.250 Se>>Re	0.178 M>>Re
BRIX_VAR	1	19.7**	-0.1592	-0.1579 << Re>>M	-0.0722 >> Be>>M	-0.1814 >	-0.2252
BRIX_VAR	2	8.3**	-0.1614	-0.1405 Re>>M	-0.0936 >> Be>>M	-0.1842	-0.2270
NMG_VAR	1	6.2**	0.1418	0.1235	0.1639 >>	0.0843 <<	0.1954 M>Re
NMG_VAR	2	7.2**	0.181	0.153	0.223 >>	0.099 <<	0.250 M>>Re

Table 77 continued 3/3

RCB with four types (Re, Be, Se, M) in the evaluation trial.
Each mean in the Te trial was based on all three replications.
Each character in each crop of the Ts trial was treated as a replicate.
Results for two analyses (No.1 and No.2) are presented in the table. Both analyses had the same Te trial characters, but different replicates, as follows:-

No. 1		No.2	
47 replicates =	9 BsPR	35 replicates =	10 BsP
	22 SsPR		9 BsR
	16 SsP		16 SsR
Error df =	138	Error df =	102

Correlations from Tables 74 and 75 were used as data for this analysis. Correlations were transformed to Z values. $Z = (\text{LOGe}(1+r) - \text{LOGe}(1-r))/2$. Z values are presented in the table.

The term $a \gg b = c$ shows that $a \gg c$. The = is used for a non-significant difference in some cases to give a clearer presentation.
 \gg shows $P \leq 0.01$, $>$ shows $P \leq 0.05$

NMG_VAR = within-family variance for visual net merit grade.
ST = number of stalks
SEL8 = number of seedlings with visual NMG 8.0 or higher.

Table 78 Mean Z values over all characters, for crops (P, R) and types (Re, Be, Se and mean) in trial Te, compared using paired t-tests. Data from Tables 76 and 77.

Table	Variances`	TeP	TeR	Re	Be	Se	Mean Me
76	included	0.2315 <<	0.2884	0.2708 >	0.2218 <	0.2567 <<	0.2905 Me>>Be
	omitted	0.2791 <<	0.3453	0.3444 >> Re> Se	0.2465 <<	0.3104 <<	0.3477 Me>>Be
77	included			0.3263 >	0.2581 <<	0.3054 <<	0.3523 Me>>Be
	omitted			0.4206 >> Re>>Se	0.2992 <<	0.3687 <<	0.4275 Me>>Be

>> shows $P \leq 0.01$, > shows $P \leq 0.05$

` within-family variances differed from other characters. Results are presented with them included (= all characters) or omitted.

le 79. Correlations for the same character in the Ts and Te trials.

Character	Seedling type	Type in Te trial				Be				Se				Mean			
		Re Pp'	Pr	Rp	Rr	Pp	Pr	Rp	Rr	Pp	Pr	Rp	Rr	Pp	Pr	Rp	Rr
	Bs	0.48	0.49	0.52	0.60	0.40	0.27	0.51	0.45	0.23	0.43	0.44	0.61	0.45	0.43	0.59	0.61
	Ss	0.82	0.72	0.74	0.79	0.33	0.42	0.70	0.64	0.37	0.52	0.66	0.79	0.60	0.61	0.84	0.61
	Bs	0.51	0.39	0.42	0.36	0.42	0.40	0.35	0.35	0.53	0.59	0.60	0.52	0.53	0.51	0.49	0.51
	Ss	0.52	0.40	0.59	0.45	0.37	0.44	0.46	0.50	0.66	0.57	0.73	0.58	0.56	0.52	0.64	0.52
	Bs	0.61	0.57	0.54	0.64	0.44	0.33	0.55	0.49	0.34	0.54	0.53	0.65	0.56	0.52	0.65	0.52
	Ss	0.75	0.68	0.72	0.78	0.21	0.30	0.54	0.55	0.39	0.54	0.63	0.71	0.53	0.56	0.75	0.56
YOT	Bs	0.65	0.59	0.52	0.58	0.43	0.16	0.55	0.32	0.38	0.52	0.55	0.55	0.59	0.46	0.64	0.46
YOT	Ss	0.67	0.59	0.67	0.67	0.18	0.06	0.48	0.33	0.43	0.45	0.58	0.57	0.49	0.40	0.68	0.40
8	Bs	0.25	0.13			0.33	0.12			0.43	0.02			0.40	0.10		
8	Ss	0.17	0.73	0.56	0.34	0.22	0.60	0.64	0.40	0.57	0.52	0.65	0.43	0.37	0.69	0.75	0.37
LKS	Bs	0.35	0.55	0.53	0.82	0.19	0.41	0.37	0.68	0.18	0.57	0.33	0.76	0.29	0.53	0.49	0.29
LKS	Ss	0.63	0.72	0.66	0.90	0.51	0.60	0.60	0.80	0.29	0.66	0.39	0.83	0.57	0.69	0.66	0.39
STALK	Bs	0.12	0.37	0.68	0.65	0.22	0.36	0.70	0.57	0.11	0.48	0.60	0.45	0.17	0.46	0.72	0.17
STALK	Ss	0.58	0.63	0.76	0.54	0.34	0.38	0.69	0.53	0.38	0.55	0.64	0.56	0.47	0.60	0.76	0.38
NMG	Ss	0.51	0.74	0.63	0.63	0.16	0.67	0.37	0.61	0.48	0.64	0.60	0.70	0.44	0.73	0.62	0.44
N Z		0.62	0.69	0.72	0.79	0.33	0.42	0.61	0.59	0.41	0.61	0.66	0.76	0.52	0.63	0.82	0.52
r		0.55	0.60	0.62	0.66	0.32	0.40	0.54	0.53	0.39	0.54	0.58	0.64	0.48	0.56	0.67	0.48
							Rp,Rr>>Pp		Rr>>Pr		Rp,Rr>>Pp		Rr>Pr		Rp,Rr>>Pp		Rr>Pr
Pp		Re>>Be	Re>Se	M>>Be	M>Se												
Pr		Re>>Be	Se>>Be	M>>Be													
Rp		Re> Be		M>>Re,Be,Se													
Rr		Re>>Be	Se>>Be	M>>Be													

Crops are shown as plant (P,p) or ratoon (R,r) with capitals for the Ts trial and lower case for the Te trial. Rp = Correlation for R crop of the Ts trial vs P crop of the Te trial.

Correlations were transformed to Z values when computing means and paired t-tests for significance. SEL8 = Number of selectable stalks in each bunch family, was omitted when computing means and significance.

P ≤ 0.05 >> P ≤ 0.01 Significant differences across classes (e.g. SeRr >> Mean Pp) are omitted.

80. Correlations for characters in trial Ts with TSH, NMGVOT and SEL8' in trial Te.

Character	Seedling type	Type in Te trial				Be				Se				Mean (M)			
		Re Pp'	Pr	Rp	Rr	Pp	Pr	Rp	Rr	Pp	Pr	Rp	Rr	Pp	Pr	Rp	Rr
SH																	
	Bs	0.56	0.50	0.58	0.65	0.40	0.30	0.55	0.53	0.29	0.52	0.52	0.69	0.51	0.49	0.66	0.
	Ss	0.77	0.68	0.70	0.79	0.23	0.36	0.61	0.63	0.35	0.58	0.62	0.80	0.53	0.59	0.78	0.
	Bs	0.44	0.50	0.25	0.45	0.26	0.20	0.36	0.20	0.32	0.30	0.38	0.27	0.40	0.36	0.39	0.
	Ss	0.35	0.37	0.27	0.22	0.09	0.02	0.02	-0.01	0.31	0.20	0.20	0.03	0.28	0.21	0.18	0.
	Bs	0.61	0.57	0.54	0.64	0.44	0.33	0.55	0.49	0.34	0.54	0.53	0.65	0.56	0.52	0.65	0.
	Ss	0.75	0.68	0.72	0.78	0.21	0.30	0.54	0.55	0.39	0.54	0.63	0.71	0.53	0.56	0.75	0.
YT	Bs	0.63	0.59	0.50	0.62	0.44	0.33	0.54	0.47	0.36	0.53	0.52	0.62	0.58	0.53	0.63	0.
YT	Ss	0.69	0.65	0.67	0.69	0.19	0.26	0.50	0.50	0.41	0.49	0.56	0.63	0.50	0.51	0.69	0.
	Bs	0.49	0.11			0.10	0.01			0.09	0.11			0.27	0.08		
	Ss	0.58	0.60	0.59	0.33	0.29	0.30	0.48	0.35	0.37	0.44	0.44	0.35	0.49	0.49	0.61	0.
CS	Bs	0.27	0.61	0.41	0.76	0.13	0.34	0.31	0.62	0.19	0.51	0.33	0.77	0.23	0.53	0.42	0.
CS	Ss	0.47	0.69	0.26	0.60	0.41	0.62	0.29	0.59	0.29	0.58	0.21	0.61	0.47	0.69	0.31	0.
TALK	Bs	0.55	0.28	0.28	0.06	0.44	0.17	0.36	0.00	0.27	0.35	0.36	0.09	0.52	0.29	0.40	0.
TALK	Ss	0.47	0.20	0.25	-0.08	-0.16	-0.18	0.21	-0.22	0.17	0.19	0.37	-0.01	0.16	0.08	0.32	-0.
lot	Bs	0.58	0.52	0.60	0.67	0.40	0.28	0.38	0.41	0.27	0.42	0.49	0.67	0.51	0.45	0.58	0.
lot	Ss	0.64	0.77	0.75	0.75	0.31	0.38	0.51	0.51	0.57	0.62	0.66	0.60	0.59	0.64	0.76	0.
CG	Ss	0.63	0.67	0.62	0.64	0.28	0.36	0.47	0.52	0.36	0.46	0.45	0.59	0.50	0.54	0.62	0.
Z		0.66	0.65	0.58	0.66	0.29	0.29	0.46	0.43	0.35	0.50	0.50	0.61	0.51	0.52	0.65	0.
r		0.58	0.57	0.52	0.58	0.28	0.28	0.43	0.40	0.33	0.46	0.46	0.54	0.47	0.48	0.57	0.
						Rp>>Pp	Rr>Pp			Rp,Rr>>Pp				Rp>>Pp			
Pp		Re>>Be,Se,M				M>Be,Se											
Pr		Re>>Be,Se,M				Se>>Be				M>Be							
Rp		Re>>Be				Re>Se				M>Re,Be,Se							
Rr		Re>>Be				Se>>Be				M>Be							

acter	Seed-ling type	Type in Te trial				Be				Se				Mean			
		Re Pp'	Pr	Rp	Rr	Pp	Pr	Rp	Rr	Pp	Pr	Rp	Rr	Pp	Pr	Rp	Rr
TOT																	
	Bs	0.55	0.50	0.57	0.59	0.37	0.11	0.54	0.35	0.28	0.48	0.52	0.58	0.49	0.39	0.65	0.
	Ss	0.68	0.57	0.62	0.74	0.15	0.06	0.51	0.36	0.29	0.46	0.54	0.65	0.44	0.40	0.66	0.
	Bs	0.48	0.48	0.30	0.48	0.31	0.15	0.38	0.16	0.40	0.34	0.46	0.31	0.47	0.35	0.45	0.
	Ss	0.40	0.38	0.36	0.24	0.15	0.01	0.11	0.04	0.42	0.24	0.35	0.11	0.36	0.22	0.31	0.
	Bs	0.62	0.56	0.55	0.60	0.42	0.15	0.55	0.33	0.35	0.52	0.55	0.57	0.56	0.45	0.66	0.
	Ss	0.71	0.60	0.69	0.75	0.17	0.07	0.49	0.34	0.39	0.47	0.62	0.61	0.49	0.41	0.71	0.
YT	Bs	0.65	0.59	0.52	0.58	0.43	0.16	0.55	0.32	0.38	0.52	0.55	0.55	0.59	0.46	0.64	0.
YT	Ss	0.67	0.59	0.67	0.67	0.18	0.06	0.48	0.33	0.43	0.45	0.58	0.57	0.49	0.40	0.68	0.
	Bs	0.51	0.20			0.10	0.03			0.10	0.23			0.28	0.17		
	Ss	0.62	0.62	0.65	0.41	0.31	0.17	0.51	0.27	0.42	0.49	0.48	0.42	0.53	0.47	0.65	0.
CS	Bs	0.20	0.47	0.32	0.64	0.06	0.09	0.21	0.33	0.13	0.35	0.24	0.62	0.15	0.33	0.31	0.
CS	Ss	0.42	0.65	0.20	0.56	0.33	0.35	0.19	0.35	0.23	0.48	0.11	0.50	0.40	0.55	0.20	0.
FALK	Bs	0.59	0.35	0.34	0.08	0.45	0.08	0.43	0.05	0.30	0.40	0.43	0.09	0.55	0.30	0.48	0.
FALK	Ss	0.40	0.10	0.25	-0.06	-0.18	-0.27	0.24	-0.14	0.15	0.15	0.39	-0.02	0.12	-0.02	0.34	-0.
lot	Bs	0.60	0.54	0.54	0.58	0.38	0.18	0.33	0.20	0.30	0.46	0.46	0.56	0.52	0.43	0.52	0.
lot	Ss	0.61	0.73	0.71	0.74	0.28	0.21	0.47	0.29	0.56	0.62	0.63	0.56	0.56	0.57	0.71	0.
IG	Ss	0.63	0.64	0.63	0.66	0.27	0.17	0.45	0.33	0.38	0.46	0.46	0.58	0.50	0.46	0.61	0.
# Z		0.64	0.60	0.57	0.61	0.27	0.11	0.44	0.25	0.36	0.47	0.51	0.51	0.50	0.41	0.62	0.
r		0.56	0.54	0.51	0.54	0.26	0.11	0.41	0.25	0.34	0.44	0.47	0.47	0.46	0.39	0.55	0.
						Rp>>Pp	Rr>>Pr			Rp>>Pp	Rr>>Pp						
Pp		Re>>Be,Se,M				M>>Be,Se											
Pr		Re>>Be,Se,M				Se>>Be,M				M>>Be							
Rp		Re>>Be				Se> Be				M>>Be,Se				M>Re			
Rr		Re>>Be,Se,M				Se>>Be				M>>Be							

Factor	Seedling type	Type in Te trial												Mean			
		Re Pp	Pr	Rp	Rr	Be Pp	Pr	Rp	Rr	Se Pp	Pr	Rp	Rr	Pp	Pr	Rp	Rr
1 mean# (n=48)																	
Z		0.53	0.67	0.49	0.62	0.26	0.32	0.42	0.47	0.40	0.52	0.50	0.64	0.46	0.55	0.59	0.50
r		0.49<<0.58>>	0.45<<0.55	0.25	0.31<	0.40	0.43	0.38<<0.47	0.46<<0.56	0.43<	0.50	0.53	0.43<	0.50	0.53	0.43<	0.50
		Rr>Pp		Rp,Rr>>Pp	Rr>>Pr			Rp,Rr>>Pp	Rr>>Pr	Rp,Rr>>Pp	Rr>>Pr	Rp,Rr>>Pp	Rr>>Pr				
Pp		Re>>Be,Se,M		Se>>Be		M>>Be,Se											
Pr		Re>>Be,Se,M		Se>>Be		M>>Be		M>Se									
Rp		Re> Be		Se>>Be		M>>Re,Be,Se											
Rr		Re>>Be		Se>>Be		M>>Be											

1 mean after omitting number of selections (SEL8) and VisNMG (n=42).
 mean is based on the same data as the factorial AOV in Table 81.

Factor	Seedling type	Type in Te trial												Mean			
		Re Pp	Pr	Rp	Rr	Be Pp	Pr	Rp	Rr	Se Pp	Pr	Rp	Rr	Pp	Pr	Rp	Rr
1 mean# (n=42)																	
Z		0.53	0.64	0.46	0.63	0.25	0.31	0.41	0.47	0.38	0.51	0.49	0.65	0.46	0.54	0.57	0.46
r		0.48<	0.57>>	0.43<<	0.56	0.25	0.30<	0.39	0.44	0.36<<	0.47	0.45<<	0.57	0.43<	0.49	0.51	0.43<
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
		Pp>Rp		Rr>Pp		Rp,Rr>>Pp	Rr>>Pr			Rp,Rr>>Pp	Rr>>Pr	Rp,Rr>>Pp	Rr>>Pr	Rp,Rr>>Pp	Rr>>Pr		
Pp		Re>>Be,Se,M		Se>>Be		M>>Be,Se											
Pr		Re>>Be,Se,M		Se>>Be		M>>Be											
Rp				Se>>Be		M>>Re,Be,Se											
Rr		Re>>Be		Se>>Be		M>>Be											

rops are shown as plant (P,p) or ratoon (R,r) with capitals for the Ts trial and lower case for the Te l. Rp = Correlation for TsR crop vs TeP.

a trial characters are enclosed in boxes

EL8 for Bs, which was missing for R seedlings, was omitted from all means.
 orrelations were converted to Z values before computing means.

lot = visual NMG of whole plot, including brix

Table 81. Correlations for characters in trial Ts with TSH, NMGYOT, and SEL8 in trial Te. Factorial AOV using:-

7 Ts trial characters (Ochar) x
 2 Ts types (Otype = Obunch, Osingle) x
 4 Te trial types (Etype = Erandom, Ebunch, Esingle, EmRBS) x
 2 Ts crops (Ocrop = Oplant, Oratn) x
 2 Te trial crops (Ecrop = Eplant, Eratn) x
 3 replicates = Te trial characters (TSH,NMGYOT,SEL8)

HISTOGRAM OF

Z

--0.24	1 *
-0.24 --0.18	3 ***
-0.18 --0.12	2 **
-0.12 --0.06	6 *****
-0.06 --0.00	8 *****
-0.00 - 0.06	15 *****
0.06 - 0.12	25 *****
0.12 - 0.18	28 *****
0.18 - 0.24	35 *****
0.24 - 0.30	44 *****
0.30 - 0.36	46 *****
0.36 - 0.42	48 *****
0.42 - 0.48	50 *****
0.48 - 0.54	59 *****
0.54 - 0.60	53 *****
0.60 - 0.66	59 *****
0.66 - 0.72	45 *****
0.72 - 0.78	51 *****
0.78 - 0.84	28 *****
0.84 - 0.90	18 *****
0.90 - 0.96	9 *****
0.96 - 1.02	11 *****
1.02 - 1.08	15 *****
1.08 - 1.14	4 ***
1.14 - 1.20	5 ****
1.20 -	4 ***

MISSING VALUES

0

Table 81 continued 2/9

***** ANALYSIS OF VARIANCE *****

VARIATE: Z

SOURCE OF VARIATION	DF	SS	MS	F
Blocks	2	0.79915	0.39958	17.878**
Factors				
Ochar	6	17.21383	2.86897	128.363**
Otype	1	0.03943	0.03943	1.764
Etype	3	4.57022	1.52341	68.160**
Ocrop	1	1.33850	1.33850	59.887**
Ecrop	1	1.97701	1.97701	88.455**
Ochar.Otype	6	2.58492	0.43082	19.276**
Ochar.Etype	18	0.54486	0.03027	1.354
Otype.Etype	3	0.58410	0.19470	8.711**
Ochar.Ocrop	6	1.98853	0.33142	14.828**
Otype.Ocrop	1	0.00072	0.00072	0.032
Etype.Ocrop	3	0.93641	0.31214	13.966**
Ochar.Ecrop	6	3.42551	0.57092	25.544**
Otype.Ecrop	1	0.00017	0.00017	0.007
Etype.Ecrop	3	0.20973	0.06991	3.128*
Ocrop.Ecrop	1	0.02824	0.02824	1.264
Ochar.Otype.Etype	18	0.38022	0.02112	0.945
Ochar.Otype.Ocrop	6	1.05286	0.17548	7.851**
Ochar.Etype.Ocrop	18	0.35801	0.01989	0.890
Otype.Etype.Ocrop	3	0.02231	0.00744	0.333
Ochar.Otype.Ecrop	6	0.16978	0.02830	1.266
Ochar.Etype.Ecrop	18	0.51606	0.02867	1.283
Otype.Etype.Ecrop	3	0.06331	0.02110	0.944
Ochar.Ocrop.Ecrop	6	0.37887	0.06315	2.825*
Otype.Ocrop.Ecrop	1	0.31359	0.31359	14.031**
Etype.Ocrop.Ecrop	3	0.00933	0.00311	0.139
RESIDUAL	527	11.77870	0.02235	
GRAND TOTAL	671	51.28437		
GRAND MEAN		0.4978		
TOTAL NUMBER OF OBSERVATIONS		672		

Table 81 continued 3/9

***** TABLES OF MEANS *****

VARIATE: Z

GRAND MEAN 0.4978

Ochar TCH CCS TSH NMGYOT STALKS WS NMGPLOT
 0.6298 >> 0.3008 << 0.6394 0.6101 >> 0.4587 >> 0.2259 << 0.6202

Otype Obunch Osingle
 0.5055 0.4902

Etype Erandom Ebunch Esingle EmRBS
 0.5667 >> 0.3602 << 0.5081 << 0.5564
 Erandom >> Esingle

Ocrop Oplant Oratn
 0.4532 << 0.5425

TABLE	Ochar	Otype	Etype	Ocrop
REP	96	336	168	336
SED	0.02158	0.01153	0.01631	0.01153
LSD.05	0.04251		0.03213	0.02271
LSD.01	0.05611		0.04241	0.02998

Ecrop Eplant Eratn
 0.4436 << 0.5521

Otype Obunch Osingle
 Ochar
 TCH 0.5969 < 0.6627
 CCS 0.3775 >> 0.2241
 TSH 0.6195 0.6593
 NMGYOT 0.6145 0.6058
 STALKS 0.4464 0.4709
 WS 0.3425 >> 0.1094
 NMGPLOT 0.5413 << 0.6990

TABLE	Ecrop	Ochar Otype	Ochar Etype	Otype Etype

Table 81 continued 4/9

Etype	Erandom	Ebunch	Esingle	EmRBS		
Ochar						
TCH	0.7067 >>	0.4641 <<	0.6379	0.7105	d>>b	a>>c
CCS	0.3587 >>	0.2107 <	0.3065	0.3274	d>>b	
TSH	0.7311 >>	0.4661 <<	0.6419	0.7186	d>>b	a>c
NMGYOT	0.6888 >>	0.4564 <<	0.6091	0.6862	d>>b	
STALKS	0.5161 >>	0.3325 <<	0.4780	0.5080	d>>b	
WS	0.2430	0.1665	0.2408	0.2535	d> b	
NMGPLOT	0.7223 >>	0.4254 <<	0.6423	0.6906	d>>b	
	a	b	c	d		

Etype	Erandom	Ebunch	Esingle	EmRBS
Otype				
Obunch	0.5353 >>	0.4110 <<	0.5071 <<	0.5686
Osingle	0.5980 >>	0.3095 <<	0.5091	0.5442
	Osi>>Obu	Obu>>Osi		

Ocrop	Oplant	Oratn
Ochar		
TCH	0.5094 <<	0.7502
CCS	0.3241	0.2775
TSH	0.5429 <<	0.7359
NMGYOT	0.5365 <<	0.6837
STALKS	0.4384	0.4789
WS	0.2591 >	0.1927
NMGPLOT	0.5620 <<	0.6783

Ocrop	Oplant	Oratn
Otype		
Obunch	0.4598	0.5512
Osingle	0.4466	0.5338

TABLE	Ochar Ocrop	Otype Ocrop	Etype Ocrop	Ochar Ecrop
REP	48	168	84	48
SED	0.03052	0.01631	0.02307	0.03052
LSD.05	0.06012	0.03213	0.04545	0.06012
LSD.01	0.07935	0.04241	0.05998	0.07935

Ocrop	Oplant	Oratn
Etype		
Erandom	0.5851	0.5482
Ebunch	0.2814 <<	0.4391
Esingle	0.4480 <<	0.5682
EmRBS	0.4983 <<	0.6144

Ecrop	Eplant	Eratn
Ochar		

Table 81 continued 5/9

Ecrop	Eplant	Eratn
Otype		
Obunch	0.4508	0.5602
Osingle	0.4364	0.5439

Ecrop	Eplant	Eratn
Etype		
Erandom	0.4958 <<	0.6375
Ebunch	0.3303 <	0.3902
Esingle	0.4367 <<	0.5795
EmRBS	0.5116 <<	0.6012

Ecrop	Eplant	Eratn
Ocrop		
Oplant	0.4055	0.5010
Oratn	0.4817	0.6032

TABLE	Otype Ecrop	Etype Ecrop	Ocrop Ecrop	Ochar Otype Etype
REP	168	84	168	12
SED	0.01631	0.02307	0.01631	0.06103
LSD.05	0.03213	0.04545	0.03213	0.12023
LSD.01	0.04241	0.05998	0.04241	0.15868

	Etype	Erandom	Ebunch	Esingle	EmRBS
Ochar	Otype				
TCH	Obunch	0.6092	0.5032	0.5960	0.6791
	Osingle	0.8042	0.4250	0.6797	0.7419
CCS	Obunch	0.4134	0.3046	0.3774	0.4145
	Osingle	0.3040	0.1167	0.2355	0.2403
TSH	Obunch	0.6372	0.5241	0.6146	0.7020
	Osingle	0.8250	0.4082	0.6691	0.7351
NMGYOT	Obunch	0.6352	0.5194	0.6053	0.6979
	Osingle	0.7424	0.3934	0.6130	0.6744
STALKS	Obunch	0.5059	0.2923	0.4953	0.4922
	Osingle	0.5263	0.3727	0.4608	0.5237
WS	Obunch	0.3238	0.3384	0.3172	0.3905
	Osingle	0.1621	-0.0053	0.1643	0.1164
NMGLOT	Obunch	0.6225	0.3952	0.5437	0.6037
	Osingle	0.8220	0.4556	0.7409	0.7776

Table 81 continued 6/9

Otype Ocrops Ochar	Obunch Oplant	Oratn	Osingle Oplant	Oratn		
TCH	0.4887	<< 0.7050 >>	0.5301	<< 0.7953	d>>a	d>b
CCS	0.3816	0.3733	> 0.2665	0.1817	d<<a,b	a>>c
TSH	0.5481	<< 0.6909 >>	0.5377	<< 0.7810	d>>a	d>b
NMGYOT	0.5665	< 0.6624 >>	0.5066	<< 0.7050	d>>a	
STALKS	0.3386	<< 0.5543	0.5382	>> 0.4036	d<<b	c>>a
WS	0.4144	>> 0.2706 >>	0.1039	0.1149	d<<a,b	a>>c
NMGLOT	0.4809	<< 0.6016	0.6431	< 0.7549	d>>a,b	c>>a
	a	b	c	d		

TABLE	Ochar Otype Ocrops	Ochar Etype Ocrops	Otype Etype Ocrops	Ochar Otype Ecrops
REP	24	12	42	24
SED	0.04316	0.06103	0.03262	0.04316
LSD.05	0.08503	0.12023	0.06426	0.08503
LSD.01	0.11222	0.15868	0.08481	0.11222

Ochar	Ocrops Etype	Oplant	Oratn
TCH	Erandom	0.6809	0.7325
	Ebunch	0.3076	<< 0.6205
	Esingle	0.4881	<< 0.7877
	EmRBS	0.5611	<< 0.8600
CCS	Erandom	0.4074	0.3099
	Ebunch	0.2033	0.2180
	Esingle	0.3345	0.2784
	EmRBS	0.3510	0.3038
TSH	Erandom	0.7211	0.7411
	Ebunch	0.3314	<< 0.6008
	Esingle	0.5225	<< 0.7612
	EmRBS	0.5965	<< 0.8407
NMGYOT	Erandom	0.7058	0.6718
	Ebunch	0.3316	<< 0.5812
	Esingle	0.5172	<< 0.7011
	EmRBS	0.5916	<< 0.7807
STALKS	Erandom	0.5209	0.5113
	Ebunch	0.3190	0.3460
	Esingle	0.4283	0.5278
	EmRBS	0.4854	0.5305
WS	Erandom	0.3681	>> 0.1179
	Ebunch	0.1130	0.2201
	Esingle	0.2696	0.2119
	EmRBS	0.2858	0.2211

Table 81 continued 7/9

Otype	Ocrop Etype	Oplant	Oratn
Obunch	Erando	0.5542	0.5164
	Ebunch	0.3359	0.4862
	Esingle	0.4362	0.5780
Osingle	EmRBS	0.5131	0.6241
	Erando	0.6161	0.5799
	Ebunch	0.2269	0.3920
	Esingle	0.4598	0.5583
	EmRBS	0.4836	0.6048

Otype	Obunch Eplant	Eratn	Osingle Eplant	Eratn
Ochar				
TCH	0.5489	0.6448	0.5888	0.7366
CCS	0.3134	0.4416	0.1950	0.2532
TSH	0.5618	0.6772	0.5809	0.7378
NMGYOT	0.5566	0.6724	0.5426	0.6690
STALKS	0.2440	0.6489	0.3263	0.6155
WS	0.4519	0.2331	0.1818	0.0370
NMGLOT	0.4788	0.6037	0.6398	0.7583

Ochar	Ocrop Etype	Eplant	Eratn
TCH	Erando	0.6673	0.7461
	Ebunch	0.4410	0.4871
	Esingle	0.5013	<< 0.7744
	EmRBS	0.6658	0.7553
CCS	Erando	0.2402	<< 0.4771
	Ebunch	0.1689	0.2524
	Esingle	0.3243	0.2886
	EmRBS	0.2833	0.3715
TSH	Erando	0.6559	< 0.8063
	Ebunch	0.4283	0.5039
	Esingle	0.5383	<< 0.7455
	EmRBS	0.6629	0.7742
NMGYOT	Erando	0.6146	< 0.7630
	Ebunch	0.4209	0.4919
	Esingle	0.5248	<< 0.6934
	EmRBS	0.6379	0.7345
STALKS	Erando	0.3517	<< 0.6805
	Ebunch	0.2119	<< 0.4531
	Esingle	0.2519	<< 0.7042
	EmRBS	0.3250	<< 0.6909
WS	Erando	0.3249	>> 0.1611
	Ebunch	0.2602	>> 0.0729
	Esingle	0.3185	> 0.1630

Table 81 continued 8/9

Otype	Ecrop	Eplant	Eratn			
Obunch	Erandom	0.4635	0.6071			
	Ebunch	0.3929	0.4291			
	Esingle	0.4205	0.5937			
	EmRBS	0.5261	0.6111			
Osingle	Erandom	0.5282	0.6679			
	Ebunch	0.2676	0.3513			
	Esingle	0.4529	0.5653			
	EmRBS	0.4971	0.5913			
Ocrop	Oplant			Oratn		
Ecrop	Eplant	Eratn	Eplant	Eratn		
Ochar						
TCH	0.4758	0.5431	<< 0.6619	<< 0.8384	d>>a,b	c>>a
CCS	0.2738	< 0.3743	>> 0.2345	< 0.3205		
TSH	0.4963	< 0.5895	0.6464	<< 0.8255	d>>a,b	c>>a
NMGYOT	0.4883	< 0.5848	0.6108	<< 0.7566	d>>a,b	c>>a
STALKS	0.2987	<< 0.5781	>> 0.2715	<< 0.6863	d>>a	d>b
WS	0.3088	> 0.2095	<< 0.3249	>> 0.0605	d<<a,b	
NMGLOT	0.4964	<< 0.6276	0.6221	<< 0.7344	d>>a	d>b c>>a
	a	b	c	d		

TABLE	Ochar	Otype	Ochar	Otype	Etype
	Etype	Etype	Ocrop	Ocrop	Ocrop
	Ecrop	Ecrop	Ecrop	Ecrop	Ecrop
REP	12	42	24	84	42
SED	0.06103	0.03262	0.04316	0.02307	0.03262
LSD.05	0.12023	0.06426	0.08503	0.04545	0.06426
LSD.01	0.15868	0.08481	0.11222	0.05998	0.08481

Ocrop	Oplant			Oratn		
Ecrop	Eplant	Eratn	Eplant	Eratn		
Otype						
Obunch (Ob)	0.4332	< 0.4865	0.4683	<< 0.6340	d>>a,b	
Osingle (Os)	0.3777	<< 0.5154	0.4951	<< 0.5724	d>>a	d>b c>>a
	a	b	c	d		
	Ob>Os			Ob>>Os		

Ocrop	Oplant			Oratn		
Ecrop	Eplant	Eratn	Eplant	Eratn		
Etype						
Erandom (Re)	0.5268	<< 0.6435	>> 0.4649	<< 0.6315		

Table 81 continued 9/9

***** STANDARD ERRORS AND COEFFICIENTS OF VARIATION *****

	DF	SE	CV%
blocks	2	0.04224	8.5
blocks.plots	527	0.14950	30.0

Correlations were transformed to Z before analysis. All results presented are Z values. $Z = (\text{LOGe}(1+r) - \text{LOGe}(1-r))/2$ (Snedecor, 1962, page 175) This analysis uses the data in Table 80, except that number of selections, and visual NMG were omitted, to provide a balanced design without missing values.

Significant differences are shown by > ($P \leq 0.05$) and >> ($P \leq 0.01$). A blank between adjoining values on the same line shows that they do not differ significantly. However, significant differences for other comparisons may not be listed. They can be checked using the LSD values provided in the boxes.

Table 82. Correlations for characters in trial Ts (P, R and PR crops) with TSH, NMGYOT and SEL8' in trial TePR.

Character	Seedling type	Type in evaluation trial with crop in seedling trial											
		Re			Be			Se			MeanRBS		
		P	R	PR	P	R	PR	P	R	PR	P	R	PR
TSHpr													
TCH	Bs	0.581	0.679	0.684	0.393	0.600	0.542	0.477	0.687	0.635	0.538	0.730	0.691
TCH	Ss	0.795	0.823	0.866	0.325	0.687	0.529	0.542	0.806	0.712	0.611	0.860	0.779
CCS	Bs	0.517	0.394	0.493	0.255	0.309	0.302	0.337	0.348	0.368	0.410	0.390	0.430
CCS	Ss	0.394	0.268	0.342	0.061	0.005	0.035	0.272	0.112	0.200	0.264	0.139	0.209
TSH	Bs	0.645	0.655	0.696	0.426	0.579	0.544	0.509	0.666	0.636	0.585	0.706	0.696
TSH	Ss	0.787	0.830	0.851	0.282	0.604	0.456	0.533	0.750	0.669	0.588	0.809	0.729
NMGYOT	Bs	0.669	0.625	0.691	0.428	0.560	0.532	0.513	0.642	0.622	0.596	0.679	0.685
NMGYOT	Ss	0.735	0.749	0.784	0.247	0.556	0.411	0.509	0.668	0.616	0.546	0.732	0.668
STALKS	Bs	0.495	0.653	0.608	0.258	0.511	0.409	0.426	0.659	0.575	0.435	0.675	0.588
STALKS	Ss	0.645	0.490	0.575	0.568	0.483	0.536	0.512	0.497	0.518	0.643	0.547	0.607
KG/STALK	Bs	0.446	0.184	0.342	0.343	0.203	0.308	0.352	0.219	0.324	0.424	0.226	0.362
KG/STALK	Ss	0.357	0.080	0.269	-0.188	0.001	-0.120	0.198	0.156	0.205	0.125	0.085	0.122
NMGplot	Bs	0.602	0.696	0.715	0.378	0.436	0.449	0.398	0.659	0.579	0.511	0.661	0.645
NMGplot	Ss	0.779	0.825	0.839	0.385	0.564	0.482	0.659	0.687	0.706	0.671	0.769	0.748
SEL8	Bs	0.319			0.062			0.108			0.179		
SEL8	Ss	0.653	0.496	0.585	0.329	0.461	0.343	0.453	0.429	0.467	0.530	0.517	0.515
VisNMG	Ss	0.716	0.694	0.741	0.355	0.549	0.459	0.464	0.594	0.544	0.567	0.683	0.646

Table 82 continued 2/3

Character	Seedling type	Type in evaluation trial with crop in seedling trial									MeanRBS		
		Re			Be			Se			P	R	PR
		P	R	PR	P	R	PR	P	R	PR			
NMGYOTpr													
TCH	Bs	0.579	0.633	0.657	0.278	0.505	0.429	0.436	0.614	0.572	0.475	0.652	0.614
TCH	Ss	0.694	0.739	0.766	0.125	0.493	0.317	0.431	0.670	0.581	0.450	0.704	0.609
CCS	Bs	0.529	0.417	0.512	0.266	0.313	0.310	0.408	0.423	0.446	0.443	0.427	0.468
CCS	Ss	0.428	0.336	0.393	0.098	0.089	0.096	0.357	0.238	0.307	0.317	0.240	0.287
TSH	Bs	0.652	0.626	0.683	0.331	0.504	0.455	0.494	0.624	0.604	0.544	0.653	0.645
TSH	Ss	0.724	0.789	0.796	0.139	0.471	0.310	0.481	0.687	0.609	0.484	0.719	0.627
NMGYOT	Bs	0.680	0.600	0.682	0.343	0.493	0.452	0.510	0.611	0.603	0.565	0.634	0.643
NMGYOT	Ss	0.696	0.735	0.756	0.139	0.459	0.302	0.493	0.639	0.592	0.478	0.678	0.603
STALKS	Bs	0.356	0.513	0.460	0.082	0.295	0.202	0.285	0.500	0.416	0.260	0.481	0.394
STALKS	Ss	0.579	0.396	0.492	0.377	0.288	0.337	0.410	0.361	0.393	0.509	0.388	0.455
KG/STALK	Bs	0.531	0.247	0.428	0.312	0.287	0.355	0.393	0.270	0.380	0.458	0.303	0.435
KG/STALK	Ss	0.289	0.116	0.243	-0.244	0.076	-0.118	0.166	0.183	0.197	0.057	0.136	0.104
NMGplot	Bs	0.629	0.612	0.686	0.323	0.301	0.346	0.433	0.570	0.551	0.512	0.543	0.582
NMGplot	Ss	0.733	0.792	0.797	0.275	0.431	0.357	0.662	0.659	0.696	0.607	0.694	0.676
SEL8	Bs	0.404			0.073			0.194			0.243		
SEL8	Ss	0.680	0.591	0.644	0.278	0.444	0.287	0.514	0.502	0.535	0.539	0.573	0.537
VisNMG	Ss	0.696	0.707	0.734	0.247	0.440	0.345	0.475	0.587	0.548	0.518	0.642	0.598

Table 82 continued 3/3

Character	Seedling type	Type in evaluation trial with crop in seedling trial									MeanRBS		
		Re			Be			Se			P	R	PR
		P	R	PR	P	R	PR	P	R	PR			
SEL8plr													
TCH	Bs	0.577	0.449	0.552	0.569	0.746	0.716	0.404	0.692	0.600	0.635	0.791	0.775
TCH	Ss	0.736	0.651	0.747	0.491	0.725	0.643	0.478	0.649	0.598	0.688	0.836	0.811
CCS	Bs	0.418	0.285	0.382	0.191	0.363	0.293	0.540	0.352	0.485	0.464	0.415	0.474
CCS	Ss	0.271	0.147	0.217	0.173	0.046	0.115	0.338	0.274	0.315	0.318	0.189	0.263
TSH	Bs	0.608	0.430	0.548	0.561	0.720	0.692	0.497	0.666	0.630	0.681	0.761	0.775
TSH	Ss	0.688	0.629	0.697	0.449	0.645	0.571	0.505	0.673	0.616	0.663	0.802	0.768
NMGYOT	Bs	0.630	0.412	0.550	0.542	0.697	0.668	0.527	0.635	0.626	0.694	0.731	0.764
NMGYOT	Ss	0.622	0.566	0.632	0.417	0.615	0.537	0.488	0.627	0.584	0.618	0.746	0.716
STALKS	Bs	0.479	0.577	0.558	0.364	0.509	0.462	0.256	0.467	0.384	0.445	0.634	0.571
STALKS	Ss	0.620	0.485	0.561	0.515	0.395	0.461	0.344	0.229	0.289	0.601	0.449	0.532
KG/STALK	Bs	0.444	-0.026	0.188	0.512	0.426	0.549	0.380	0.403	0.471	0.551	0.354	0.515
KG/STALK	Ss	0.269	-0.135	0.105	0.082	0.172	0.138	0.273	0.338	0.343	0.248	0.172	0.245
NMGplot	Bs	0.570	0.582	0.636	0.403	0.622	0.562	0.482	0.594	0.593	0.590	0.741	0.732
NMGplot	Ss	0.566	0.711	0.657	0.491	0.657	0.588	0.652	0.694	0.704	0.700	0.845	0.799
SEL8	Bs	0.270			0.275			0.217			0.313	0.	0.
SEL8	Ss	0.540	0.438	0.496	0.429	0.550	0.423	0.506	0.487	0.428	0.601	0.611	0.550
VisNMG	Ss	0.596	0.589	0.621	0.473	0.596	0.551	0.508	0.554	0.553	0.642	0.715	0.705

~ Evaluation trial characters are enclosed in boxes. pr = PR using mean of plots , plr = clone mean

NMGplot = visual NMG of whole plot, including brix

SEL8 = Number of normal selections = number of selectable stalks in bunch and number of single seedlings with visual NMG 8.0 or higher. Selectable stalks was not measured in ratoon bunch.

For single seedlings, SEL8 is based on mean of each seedling (plr).

Table 83. Correlations for characters in trial Ts with TSH, NMGYOT, and SEL8 in trial Te, PR crop. Factorial AOV using:-

7 Ts trial Characters (Ochar) x
 2 Ts types (Otype = Obunch, Osingle) x
 4 Te trial types (Etype = Erandom, Ebunch, Esingle, EmRBS) x
 3 Ts crops (Ocrop = Oplant, Oratn, Opr) x
 3 replicates = Te trial characters (TSHpr,NMGYOTpr,SEL8p1r)

***** ANALYSIS OF VARIANCE *****

VARIATE: Z

SOURCE OF VARIATION	DF	SS	MS	F
Blocks	2	0.72762	0.36381	30.589**
Factors				
Ochar	6	18.84583	3.14097	264.089**
Otype	1	0.01450	0.01450	1.219
Etype	3	4.77582	1.59194	133.848**
Ocrop	2	0.95812	0.47906	40.279**
Ochar.Otype	6	2.56353	0.42726	35.923**
Ochar.Etype	18	0.90486	0.05027	4.227**
Otype.Etype	3	0.70577	0.23526	19.780**
Ochar.Ocrop	12	1.51845	0.12654	10.639**
Otype.Ocrop	2	0.02118	0.01059	0.890
Etype.Ocrop	6	0.75856	0.12643	10.630**
Ochar.Otype.Etype	18	0.57912	0.03217	2.705**
Ochar.Otype.Ocrop	12	0.70234	0.05853	4.921**
Ochar.Etype.Ocrop	36	0.29581	0.00822	0.691
Otype.Etype.Ocrop	6	0.03516	0.00586	0.493
RESIDUAL	370	4.40064	0.01189	
GRAND TOTAL	503	37.80732		
GRAND MEAN		0.5729		
TOTAL NUMBER OF OBSERVATIONS		504		

Table 83 continued 2/6

***** TABLES OF MEANS *****

VARIATE: Z

GRAND MEAN 0.5729

Ochar TCH CCS TSH NMGYOT STALKS WS NMGLOT
 0.7479 >> 0.3268 << 0.7415 > 0.6966 >> 0.5119 >> 0.2579 << 0.7274
 TCH>>NMGYOT

Otype Obunch Osingle
 0.5782 0.5675

Etype Erandom Ebunch Esingle EmRBS
 0.6629 >> 0.4196 << 0.5581 << 0.6510
 Erandom>>Esingle

Ocrop Oplant Oratn Opr
 0.5112 << 0.6049 0.6025 Opr>>Oplant

TABLE	Ochar	Otype	Etype	Ocrop
REP	72	252	126	168
SED	0.01818	0.00972	0.01374	0.01190
LSD.05	0.03581	0.01915	0.02707	0.02344
LSD.01	0.04727	0.02527	0.03572	0.03094

Otype Obunch Osingle
 Ochar
 TCH 0.6937 << 0.8021
 CCS 0.4201 >> 0.2335
 TSH 0.7127 < 0.7704
 gy NMGYOT 0.7023 0.6910
 STALKS 0.4993 0.5245
 WS 0.3813 >> 0.1346
 gp NMGLOT 0.6383 << 0.8164
 gp<gy gp>>gy

Etype Erandom Ebunch Esingle EmRBS
 Ochar
 TCH 0.8529 >> 0.5837 << 0.6917 << 0.8635 a>>c
 CCS 0.3991 >> 0.1892 << 0.3585 0.3604
 TSH 0.8649 >> 0.5479 << 0.7066 << 0.8467 a>>c

Table 83 continued 3/6

Etype	a	b	c	d	
Otype	Erandom	Ebunch	Esingle	EmRBS	
Obunch (Bs)	0.6141	>> 0.4764	<< 0.5615	<< 0.6610	a>>c
Osingle (Ss)	0.7117	>> 0.3628	<< 0.5546	<< 0.6409	a>>c
	Ss>>Bs	Bs>>Ss			

Ocrop	Oplant	Oratn	Opr	
Ochar				
TCH	0.5884	<< 0.8637	> 0.7917	c>>a
CCS	0.3564	> 0.2831	0.3409	
TSH	0.6190	<< 0.8266	0.7791	c>>a
NMGYOT	0.6064	<< 0.7517	0.7319	c>>a
STALKS	0.4803	0.5318	0.5235	
WS	0.3008	>> 0.1921	<< 0.2810	
NMGLOT	0.6274	<< 0.7853	0.7694	c>>a
	a	b	c	

TABLE	Ochar Otype	Ochar Etype	Otype Etype	Ochar Ocrop
REP	36	18	63	24
SED	0.02571	0.03635	0.01943	0.03148
LSD.05	0.05065	0.07161	0.03828	0.06202
LSD.01	0.06685	0.09451	0.05052	0.08185

Ocrop	Oplant	Oratn	Opr
Otype			
Obunch	0.5152	0.6031	0.6164
Osingle	0.5072	0.6067	0.5886

Ocrop	Oplant (p)	Oratn	Opr	
Etype				
Re Erandom	0.6760	>> 0.6096	<< 0.7030	
Be Ebunch	0.3244	<< 0.4982	>> 0.4363	Opr>>p
Se Esingle	0.4773	<< 0.6108	0.5861	Opr>>p
M EmRBS	0.5672	<< 0.7009	0.6847	Opr>>p
	Re>>Be	Re>>Be	Re>>Be	
	Se>>Be	Se>>Be	Se>>Be	
	M >>Be	M >>Be	M >>Be	
	Re>>M	M >>Re		

Table 83 continued 4/6

TABLE	Otype Ocrops	Etype Ocrops	Ochar Otype Etype	Ochar Otype Ocrops
REP	84	42	9	12
SED	0.01683	0.02380	0.05141	0.04452
LSD.05	0.03316	0.04689	0.10128	0.08770
LSD.01	0.04376	0.06188	0.13367	0.11575

Ochar	Etype Otype	a Erandom	b Ebunch	c Esingle	d EmRBS		
TCH	Obunch Osingle	0.6984 1.0075 Os>>Ob	>> 0.6139 << 0.5534	<< 0.6575 << 0.7259	<< 0.8052 << 0.9217 Os>Ob	d>a	d>>b
CCS	Obunch Osingle	0.4742 0.3241 Ob>>Os	>> 0.2983 >> 0.0801 Ob>>Os	<< 0.4406 << 0.2763 Ob>>Os	0.4674 0.2534 Ob>>Os	d>>b	d>>b
TSH	Obunch Osingle	0.7266 1.0032 Os>>Ob	> 0.6121 >> 0.4836 Ob>Os	0.6865 << 0.7268	<< 0.8253 << 0.8681	d>>b	a>>c, d d>>b
NMGYOT	Obunch Osingle	0.7272 0.8740 Os>>Ob	> 0.5937 >> 0.4472 Ob>>Os	0.6776 << 0.6670	< 0.8107 < 0.7757	a>>c	d>>b d>>b
STALKS	Obunch Osingle	0.5861 0.6072 Os>Ob	>> 0.3662 > 0.4777 Os>Ob	< 0.4843 0.4225	0.5603 << 0.5905	a> c	d>>b d> b
WS	Obunch Osingle	0.3294 0.1819 Ob>>Os	0.3898 >> -0.0229 Ob>>Os	0.3730 << 0.2342 Ob>>Os	0.4327 0.1454 Ob>>Os	d> a	d>>b
NMGPlot	Obunch Osingle	0.7566 0.9837 Os>>Ob	>> 0.4607 >> 0.5207	<< 0.6107 << 0.8299 Os>>Ob	< 0.7253 < 0.9313 Os>>Ob	a>>c	d>>b d>>b

Table 83 continued 5/6

Otype	Obunch	Oratn	Opr	Osingle	Oratn	Opr
Ocrop	Oplant			Oplant		
Ochar						
TCH	0.5510 << 0.7884	0.7418 >>	0.6259 << 0.9390 >	0.8416		
CCS	0.4279 0.3891	0.4433 >>	0.2849 > 0.1771	0.2385		
TSH	0.6203 << 0.7582	0.7595 >>	0.6177 << 0.8950 >	0.7987		
NMGYOT	0.6416 0.7189	0.7464 >>	0.5711 << 0.7845	0.7173		
STALKS	0.3654 << 0.6145 >	0.5179 0.5952 >>	0.4491	0.5292		
WS	0.4620 >> 0.2673 << 0.4144 >>	0.1395 0.1168	0.1476			
NMGPLOT	0.5384 << 0.6851	0.6915 0.7163 << 0.8855	0.8474			
	a	b	c	d	e	f

Significant differences between Obunch (Bs) and Osingle (Ss) for each crop

Ochar	Oplant	Oratoon	Opr
TCH	NS	Ss>>Bs	S> Bs
CCS	Bs>>Ss	Bs>>Ss	Bs>>Ss
TSH	ns	Ss>>Bs	ns
NMGYOT	ns	ns	ns
STALKS	Ss>>Bs	Bs>>Ss	ns
WS	Bs>>Ss	Bs>>Ss	Bs>>Ss
NMGPLOT	Ss>>Bs	Ss>>Bs	Ss>>Bs

Ochar	Ocrop	Oplant	Oratn	Opr
	Etype			
TCH	Erandom	0.8108	0.8247	0.9232
	Ebunch	0.3912	0.7522	0.6076
	Esingle	0.5005	0.8515	0.7231
	EmRBS	0.6512	1.0263	0.9130
CCS	Erandom	0.4597	0.3210	0.4167
	Ebunch	0.1768	0.1940	0.1968
	Esingle	0.3987	0.3031	0.3736
	EmRBS	0.3903	0.3143	0.3766
TSH	Erandom	0.8458	0.8292	0.9198
	Ebunch	0.3911	0.6835	0.5691
	Esingle	0.5538	0.8283	0.7378
	EmRBS	0.6853	0.9654	0.8896
NMGYOT	Erandom	0.8178	0.7360	0.8481
	Ebunch	0.3763	0.6457	0.5393
	Esingle	0.5584	0.7536	0.7048
	EmRBS	0.6729	0.8714	0.8353
STALKS	Erandom	0.5982	0.5816	0.6102
	Ebunch	0.3897	0.4451	0.4311
	Esingle	0.3949	0.5005	0.4648
	EmRBS	0.5383	0.5999	0.5880
WS	Erandom	0.4159	0.0789	0.2722
	Ebunch	0.1481	0.2012	0.2010
	Esingle	0.3052	0.2701	0.3354

Table 83 continued 6/6

	Ocrop	Oplant	Oratn	Opr
Otype	Etype			
Obunch	Erandom	0.6328	0.5575	0.6519
	Ebunch	0.3839	0.5374	0.5078
	Esingle	0.4652	0.6213	0.5979
	EmRBS	0.5790	0.6960	0.7080
Osingle	Erandom	0.7192	0.6617	0.7540
	Ebunch	0.2649	0.4589	0.3647
	Esingle	0.4894	0.6003	0.5742
	EmRBS	0.5554	0.7059	0.6615

TABLE	Ochar	Otype
	Etype	Etype
	Ocrop	Ocrop
REP	6	21
SED	0.06296	0.03366
LSD.05	0.12403	0.06631
LSD.01	0.16370	0.08752

***** STANDARD ERRORS AND COEFFICIENTS OF VARIATION *****

STRATUM	DF	SE	CV%
blocks	2	0.04654	8.1
blocks.plots	370	0.10906	19.0

Correlations were transformed to Z before analysis. All results presented are Z values. $Z = (\text{LOGe}(1+r) - \text{LOGe}(1-r))/2$ (Snedecor, 1962, page 175) This analysis uses the data in Table 82, except that number of selections, and visual NMG were omitted, to provide a balanced design without missing values.

Significant differences are shown by > ($P \leq 0.05$) and >> ($P \leq 0.01$). A blank between adjoining values on the same line shows that they do not differ significantly. However, significant differences for other comparisons may not be listed. They can be checked using the LSD values provided in the boxes.

Table 84. Correlations for characters in trial Ts with TSH, NMGYOT, and SEL8 in trial Te. Factorial AOV using:-

7 Ts trial Characters (Ochar) x
 2 Ts types (Otype = Obunch, Osingle) x
 2 Ts crops (Ocrop = Oplant, Oratn) x
 2 Te crops (Ecrop = Eplant, Eratn) x
 3 replicates = Te trial characters (TSHpr, NMGYOTpr, SEL8pr)

This table shows a factorial AOV for the Re type in the Te trial, with some data for the Be, Se and mean types. The four types were grouped as one factor in Table 81.

VARIATE: Z

SOURCE OF VARIATION	DF	Analysis of Variance for Re type		Variance ratios for other type		
		MS	F	Be F	Se F	Mean F
Blocks	2	0.31764	16.0**	19.3**	19.8**	6.9**
Factors						
Ochar	6	0.94537	47.5**	12.6**	67.0**	41.3**
Otype	1	0.16510	8.3**	14.1**	0.0	1.1
Ocrop	1	0.05739	2.9	34.1**	57.7**	25.3**
Ecrop	1	0.84270	42.4**	4.9*	81.4**	15.1**
Ochar.Otype	6	0.13560	6.8**	4.1**	8.9**	6.2**
Ochar.Ocrop	6	0.07061	3.6**	2.8*	10.8**	5.4**
Otype.Ocrop	1	0.00003	0.0	0.1	1.9	0.0
Ochar.Ecrop	6	0.14642	7.4**	3.1**	23.0**	7.7**
Otype.Ecrop	1	0.00016	0.0	0.8	3.7	0.0
Ocrop.Ecrop	1	0.02621	1.3	0.1	0.7	0.1
Ochar.Otype.Ocrop	6	0.04190	2.1	1.4	4.5**	2.8**
Ochar.Otype.Ecrop	6	0.01744	0.9	0.3	1.0	0.5
Ochar.Ocrop.Ecrop	6	0.01579	0.8	0.4	2.7*	0.8
Otype.Ocrop.Ecrop	1	0.07699	3.9	4.4**	1.1	6.1**
RESIDUAL	116	0.01988		0.03062	0.01051	0.02241
GRAND MEAN (n=168)		0.567		0.360	0.5081	0.556
Standard error per plot		0.1410		0.1750	0.10254	0.1497
CV% (S.E./plot as %GM)		24.9		48.6	20.2	26.9

Table 84 continued 2/4

***** TABLES OF MEANS, Re TYPE *****

VARIATE: Z

Ochar	TCH	CCS	TSH	NMGYOT	STALKS	WS	NMGLOT
	0.707 >>	0.359 <<	0.731	0.689 >>	0.516 >>	0.243 <<	0.722
Otype	Obunch	Osingle					
	0.535 <<	0.598					
Ocrop	Oplant	Oratn					
	0.585	0.548					
Ecrop	Eplant	Eratn					
	0.496 <<	0.637					

	Ochar	Otype	Ocrop	Ecrop
Significance	**	**	ns	**
REP	24	84	84	84
SED	0.0407	0.0218	0.0218	0.0218
LSD.05	0.0806	0.0432		0.0432
LSD.01	0.1066	0.0571		0.0571

Otype	Obunch	Osingle
Ochar		
TCH	0.609 <<	0.804
CCS	0.413	0.304
TSH	0.637 <<	0.825
NMGYOT	0.635	0.742
STALKS	0.506	0.526
WS	0.324 >>	0.162
NMGLOT	0.622 <<	0.822

Ocrop	Oplant	Oratn
Ochar		
TCH	0.681	0.732
CCS	0.407	0.310
TSH	0.721	0.741
NMGYOT	0.706	0.672
STALKS	0.521	0.511
WS	0.368 >>	0.118
NMGLOT	0.692	0.753

Table 84 continued 3/4

Ecrop	Eplant	Eratn
Ochar		
TCH	0.667	0.746
CCS	0.240 <<	0.477
TSH	0.656 <	0.806
NMGYOT	0.615 <	0.763
STALKS	0.352 <<	0.681
WS	0.325 >>	0.161
NMGPLOT	0.616 <<	0.828

TABLE	Ochar Otype	Ochar Ocrop	Otype Ocrop	Ochar Ecrop
Significance	**	**	ns	**
REP	12	12	42	12
SED	0.0576	0.0576	0.0308	0.0576
LSD.05	0.1141	0.1141		0.1141
LSD.01	0.1509	0.1509		0.1509

Ecrop	Eplant	Eratn
Otype		
Obunch	0.464	0.607
Osingle	0.528	0.668

Ecrop	Eplant	Eratn
Ocrop		
Oplant	0.527	0.643
Oratn	0.465	0.631

Otype	Obunch		Osingle	
Ocrop	Oplant	Oratn	Oplant	Oratn
Ochar				
TCH	0.582	0.636	0.780	0.829
CCS	0.461	0.366	0.354	0.254
TSH	0.655	0.619	0.787	0.863
NMGYOT	0.686	0.584	0.725	0.760
STALKS	0.422	0.590	0.620	0.433
WS	0.472	0.176	0.264	0.060
NMGPLOT	0.601	0.644	0.783	0.861

Otype	Obunch		Osingle	
Ecrop	Eplant	Eratn	Eplant	Eratn
Ochar				
TCH	0.575	0.644	0.760	0.848

Table 84 continued 4/4

Ocrop	Oplant		Oratn	
Ecrop	Eplant	Eratn	Eplant	Eratn
Ochar				
TCH	0.683	0.679	0.652	0.813
CCS	0.296	0.519	0.185	0.435
TSH	0.683	0.760	0.629	0.853
NMGYOT	0.646	0.765	0.583	0.761
STALKS	0.385	0.657	0.319	0.704
WS	0.438	0.299	0.212	0.023
NMGPLOT	0.558	0.826	0.675	0.831

Ocrop	Oplant		Oratn	
Ecrop	Eplant	Eratn	Eplant	Eratn
Otype				
Obunch	0.516	0.592	0.411	0.622
Osingle	0.537	0.695	0.519	0.641

TABLE	Otype	Ocrop	Ochar	Ochar
	Ecrop	Ecrop	Otype	Otype
			Ocrop	Ecrop
Significance	ns	ns	ns	ns
REP	42	42	6	6
SED	0.0308	0.0308	0.0814	0.0814

TABLE	Ochar	Otype
	Ocrop	Ocrop
	Ecrop	Ecrop
Significance	ns	ns
REP	6	21
SED	0.0814	0.0435

Correlations were transformed to Z before analysis. All results presented are Z values. $Z = (\text{LOGe}(1+r) - \text{LOGe}(1-r))/2$ (Snedecor, 1962, page 175) This analysis uses the data in Table 80, except that number of selections, and visual NMG were omitted, to provide a balanced design without missing values.

Significant differences are shown by > ($P \leq 0.05$) and >> ($P \leq 0.01$). A blank between adjoining values on the same line shows that they do not differ significantly. However, significant differences for other comparisons may not be listed. They can be checked using the LSD values provided in the boxes.

Table 85. Correlations for characters in trial Ts with TSH, NMGYOT, and SEL8 in trial Te, PR crop. Factorial AOV using:-

7 Ts trial Characters (Ochar) x
 2 Ts types (Otype = Obunch, Osingle) x
 3 Ts crops (Ocrop = Oplant, Oratn, Opr) x
 3 replicates = Te trial characters (TSHpr,NMGYOTpr,SEL8pr)

This table shows a factorial AOV for the Re type in the Te trial, with some data for the Be, Se and mean types. The four types were grouped as one factor in Table 83.

VARIATE: Z

SOURCE OF VARIATION	DF	Analysis of Variance for Re type		Variance ratios for other type		
		MS	F	Be F	Se F	Mean F
Blocks	2	0.400772	54.9**	95.4**	4.3*	58.6**
Factors						
Ochar	6	1.136040	155.5**	74.4**	93.5**	175.9**
Otype	1	0.299896	41.1**	60.2**	0.2	2.1
Ocrop	2	0.096927	13.3**	48.3**	33.9**	36.8**
Ochar.Otype	6	0.167470	22.9**	20.6**	12.5**	22.9**
Ochar.Ocrop	12	0.033010	4.5**	4.2**	6.2**	8.5**
Otype.Ocrop	2	0.000984	0.1	1.7	1.2	1.4
Ochar.Otype.Ocrop	12	0.016133	2.2*	2.8**	1.7	3.6**
RESIDUAL	82	0.007305		0.006751	0.006250	0.006078
GRAND MEAN (n=126)		0.6629		0.4196	0.5581	0.6510
Standard error per plot		0.08547		0.08216	0.07906	0.07796
CV% (S.E./plot as %GM)		12.9		19.6	14.2	12.0

Table 85 continued 2/3

***** TABLES OF MEANS, RANDOM TYPE *****

VARIATE: Z

Ochar TCH CCS TSH NMGYOT STALKS WS NMGPLOT
 0.8529 >> 0.3991 << 0.8649 > 0.8006 >> 0.5967 >> 0.2556 << 0.8702
 NMGPLOT > NMGYOT

Otype Obunch Osingle
 0.6141 << 0.7117

Ocrop Oplant Oratn Opr
 0.6760 >> 0.6096 << 0.7030

Otype Obunch Osingle
 Ochar
 TCH 0.6984 << 1.0075
 CCS 0.4742 >> 0.3241
 TSH 0.7266 << 1.0032
 NMGYOT 0.7272 << 0.8740
 STALKS 0.5861 0.6072
 WS 0.3294 >> 0.1819
 NMGPLOT 0.7566 << 0.9837

	Ochar	Otype	Ocrop	Ochar Otype
Significance	**	**	**	**
REP	18	63	42	9
SED	0.02849	0.01523	0.01865	0.04029
LSD.05	0.05667	0.03029	0.03709	0.08014
LSD.01	0.07516	0.04018	0.04920	0.10629

Ocrop Oplant Oratn Opr
 Ochar
 TCH 0.8108 0.8247 < 0.9232 pr>p
 CCS 0.4597 >> 0.3210 0.4167
 TSH 0.8458 0.8292 0.9198
 NMGYOT 0.8178 0.7360 < 0.8481
 STALKS 0.5982 0.5816 0.6102
 WS 0.4159 >> 0.0789 << 0.2722 pr>>p
 NMGPLOT 0.7839 < 0.8959 0.9308 pr>>p

Table 85 continued 3/3

Otype	Obunch			Osingle		
Ocrop	Oplant	Oratn	Opr	Oplant	Oratn	Opr
Ochar						
TCH	0.6610	0.6857	0.7485 <<	0.9607	0.9638	1.0979
CCS	0.5354 >	0.3846	0.5026	0.3840	0.2575	0.3307
TSH	0.7504	0.6596	0.7699 <	0.9412	0.9989	1.0696
NMGYOT	0.7932 >	0.6214 <	0.7670	0.8424	0.8506	0.9291
STALKS	0.4789 <<	0.6684	0.6110	0.7176 >>	0.4948	0.6093
WS	0.5161 >>	0.1374 <<	0.3347	0.3156 >>	0.0203 <<	0.2097
NMGLOT	0.6945	0.7457	0.8297	0.8732 <	1.0461	1.0319

	Ochar	Otype	Ochar
	Ocrop	Ocrop	Otype
			Ocrop
Significance	**	ns	*
REP	6	21	3
SED	0.04935	0.02638	0.06979
LSD.05	0.09816		0.13881
LSD.01	0.13019		0.18411

Correlations were transformed to Z before analysis. All results presented are Z values. $Z = (\text{LOGe}(1+r) - \text{LOGe}(1-r))/2$ (Snedecor, 1962, page 175) This analysis uses the data in Table 82, except that number of selections, and visual NMG were omitted, to provide a balanced design without missing values.

Significant differences are shown by > ($P \leq 0.05$) and >> ($P \leq 0.01$). A blank between adjoining values on the same line shows that they do not differ significantly. However, significant differences for other comparisons may not be listed. They can be checked using the LSD values provided in the boxes.

Table 86. Error variances in separate AOV of each Te type, using P a R crops in trial Te (Table 84) or the PR crop (Table 85).

	Table	Re	Be	Se	Mean
df	84 85	116 82	116 82	116 82	116 82
Error MS	84 85	0.01988 0.007305	0.03062 0.006751	0.01051 0.006250	0.0224 0.0060
Mean	84 85	0.567 0.6629	0.360 0.4196	0.5081 0.5581	0.556 0.6510
CV%	84 85	24.9 12.9	48.6 19.6	20.2 14.2	26.9 12.0
F (84/85)		2.72**	4.54**	1.68**	3.69**
F ?/Re	84 85		1.54* 0.92	0.53** 0.86	1.13 0.83

The error variance for Re is higher** than the Se type in Table 8