

## Supplementary Material

### Concurrent overexpression of amino acid permease *AAP1(3a)* and *SUT1* sucrose transporter in pea resulted in increased seed number and changed cytokinin and protein levels

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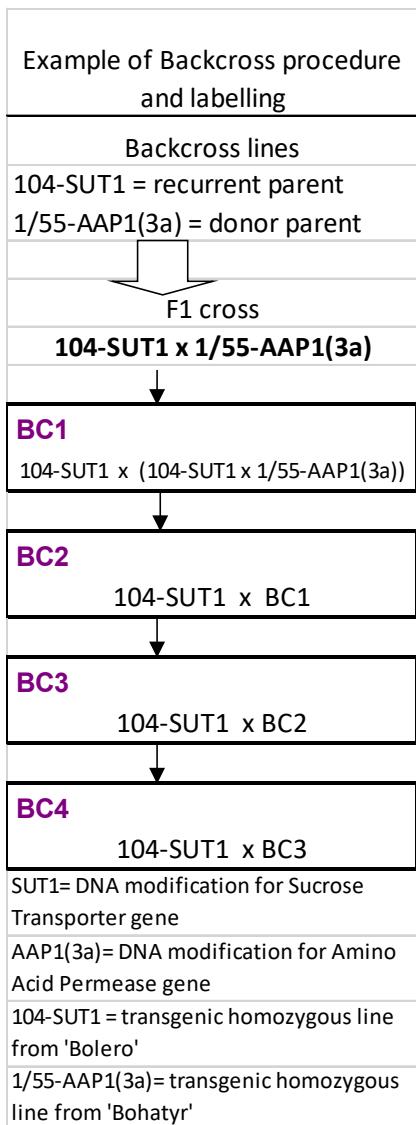
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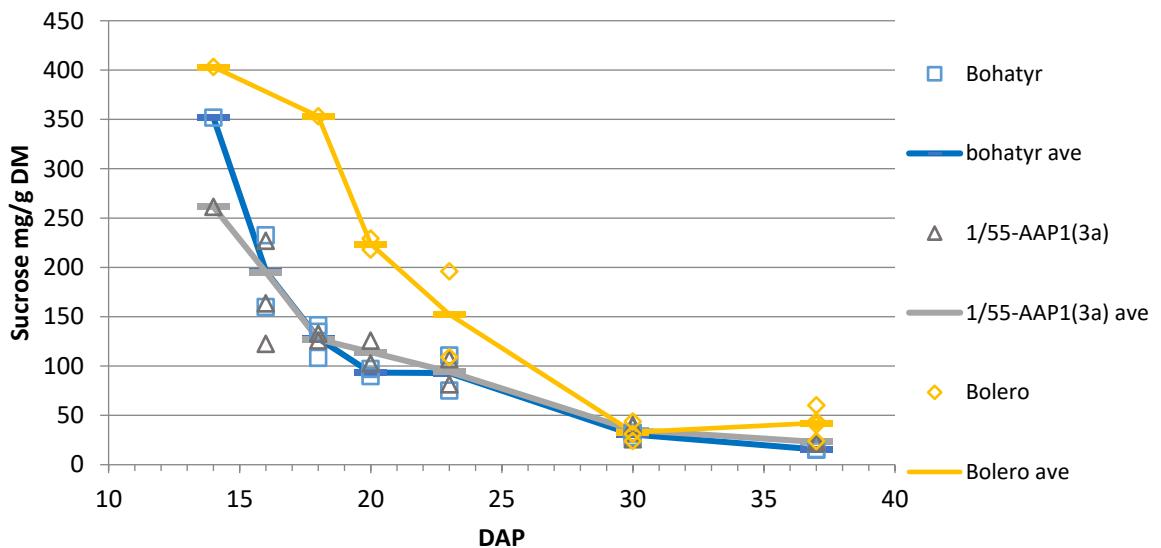
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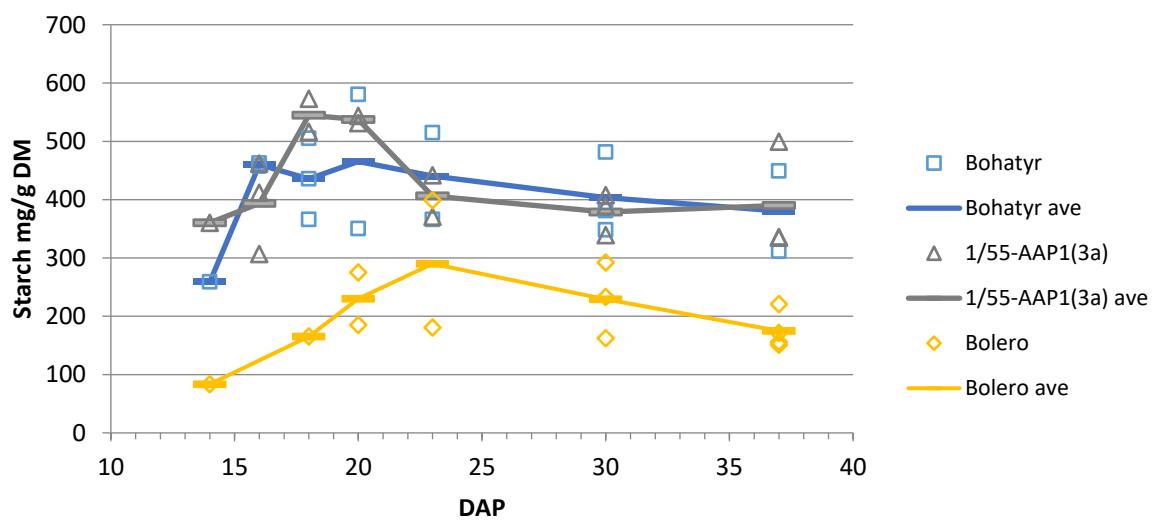


**Fig. S1.** Schematic for backcrossing procedure. After four backcrosses the plant is calculated to be 96.875% identical to the recurrent parent. To obtain homozygosity of the AAP1(3a) gene a further two rounds of selfing to identify lines containing both genes of the BC4 lines was carried out. At each stage PCR confirmed presence of both genes. After the second round of selfing lines, a minimum of 20 seeds were tested by PCR. All 20 had to be positive for both introduced genes for 99% confidence they were homozygous.

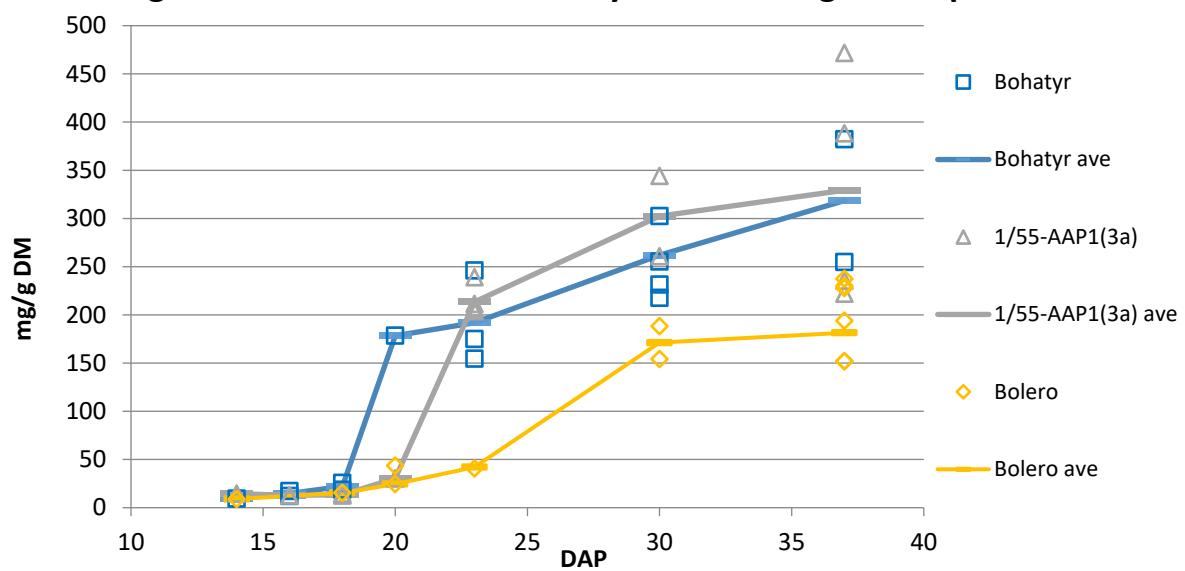
**Fig. S2 A: Sucrose Content in cotyledons during development**



**Fig. S2 B: Starch Content in cotyledons during development**



**Fig. S2 C: Protein Content in cotyledons during development**

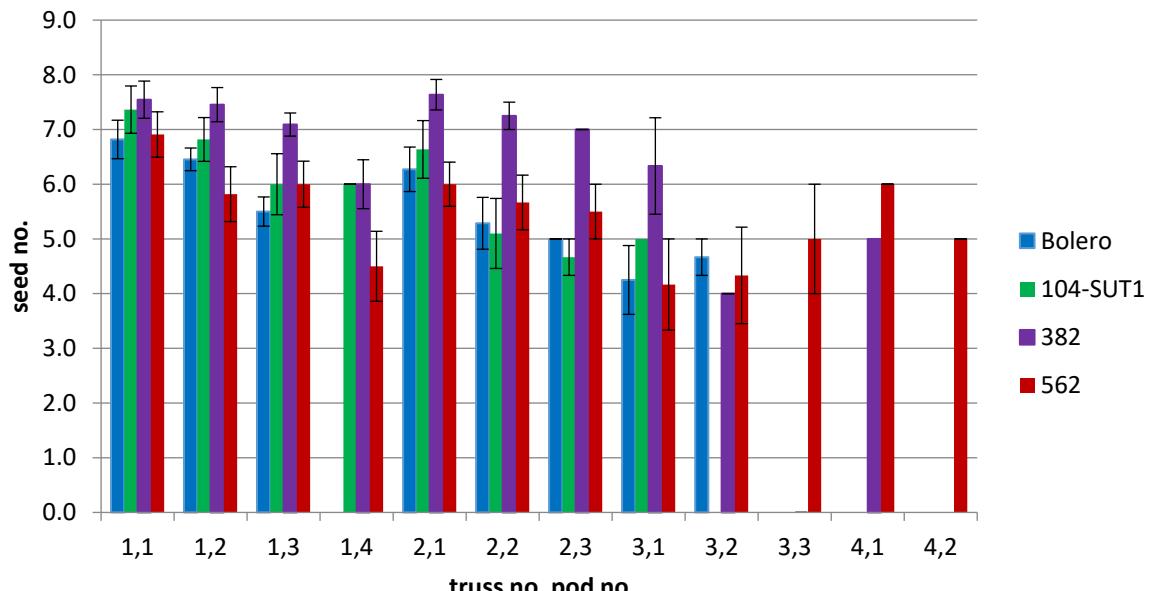


**Fig. S2.** Biochemical analyses for the donor (1/55-AAP1(3a)) and recurrent (104-SUT1) parents as well as the wildtype 'Bohatyr' field pea line from which the donor line was created.

- A) Sucrose content in pea cotyledons during development. The differences are as expected for field ('Bohatyr' and 1/55-AAP1(3a)) and process (104-SUT1) peas.
- B) Starch content in cotyledons during development. The high variability meant that there were no significant differences.
- C) Protein content during development showing field pea and process pea differences.

Abbreviations: DM = Dry Matter, DAP = Days After Pollination

**Fig S3 Seeds per pod per truss**



**Fig.S3.** The number of seeds per pod at each truss on the main branch for wildtype, 'Bolero'; single transgenic line, 104-SUT1; double transgenic lines 382 and 562. This is an average from 11 plants per line with standard error bars. On the x-axis the first number indicates the truss and the second number is pod number on that truss. Pod numbering starts from the base of the truss and moving along the truss. This shows that line 562 set more pods than the other lines while line 382 generally filled an extra seed per pod.

**Fig S4A: Line 1/55-AAP1(3a) vs 'BOHATYR' (Leaves)**

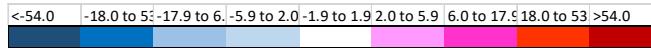
Target Genes	Developmental stages	
	5d	20d
PsiPT 1 (604)	-2.2	-1.1
PsiPT 2 (605)	-7.4	2.0
PsiPT 4 (421)	-9.1	-1.2
PsCKX 1 (930)	1.4	-11.4
PsCKX 2 (627)	-280.6	-1.1
PsCKX 5 (942)	-2.3	-1.1
PsCKX 7 (910)	4.6	3.3
PsSUT 1 (366 Transgene)	30.9	-1.3
PsSUT 2 (948)	27.0	1.0
PsSUT 3 (674)	4.7	1.1
PsSUT 5 (666)	-15.7	-1.2
PsAAP 1(3a) (532 Transgene)	87.0	2.3
PsAAP 7a (498)(Cluster 1)	2.2	1.6
PsAAP 7b (9261)	1.7	1.4
PsAAP 2a (675)(Cluster 3A)	25.6	2.6
PsAAP 2c (4401)	7.6	1.8
PsAAP 2d (840)	7.0	1.5
PsAAP 3b (051)	8.2	-1.5
PsAAP 6a (931) (Cluster 4B)	-70.2	-1.1
PsAAP 6b (328)	4.6	-1.0
PsAAP 1 (180)	-45.7	-1.1
PsCWINV 1 (240)	-79.2	-1.7
PsCWINV 2 (448)	2.5	1.2
PsCWINV 3 (415)	-14.0	-1.6
PsCWINV 6 (320)	31.3	1.3
PsSW 1 (1) (Clade I)	-1.1	-6.2
PsSW 2a (2a)	-1.2	2.2
PsSW 2b (2b)	8.6	1.4
PsSW 4 (7) (Clade II)	6.1	-1.1
PsSW 5a (6a)	-4.7	-1.1
PsSW 5b (6b)	5.9	-1.7
PsSW 7 (4)	-1.7	1.1
PsSW 12 (13b) (Clade III)	33.5	2.0
PsSW 13 (13a)	4.7	-3.3
PsSW 17 (17) (Clade IV)	-5.1	1.9

**Fig S4B: Line 1/55-AAP1(3a) vs 'BOHATYR' (Seed Coats)**

Target Genes	Developmental stages						
	12d	14d	16d	18d	20d	23d	30d
PsiPT 1 (604)	1.3	1.1	-1.7	-6.9	-5.9	7.3	-2.6
PsiPT 2 (605)	4.0	1.2	1.8	-1.0	-2.2	-2.8	-1.9
PsiPT 4 (421)	7.7	5.0	16.5	3.8	5.1	4.1	3.9
PsCKX 1 (930)	2.7	2.5	3.0	3.5	2.6	2.8	2.0
PsCKX 2 (627)	11.7	6.5	14.8	8.9	19.8	3.8	5.6
PsCKX 5 (942)	-	-	-	-	-	-	-
PsCKX 7 (910)	1.4	1.1	2.0	1.2	1.3	1.3	1.0
PsSUT 1 (366)	2.0	1.7	1.5	6.3	6.5	1.1	-1.1
PsSUT 2 (948)	30.4	14.3	15.6	17.4	6.8	4.6	3.8
PsSUT 3 (674)	1.4	1.1	6.0	3.8	3.7	1.6	1.3
PsSUT 5 (666)	1.2	10.3	8.0	3.6	2.8	2.2	2.2
PsAAP 1(3a) (532 Transgene)	19.3	90.5	109.5	113.6	353.1	16.9	23.9
PsAAP 7a (498)(Cluster 1)	2.6	2.4	3.8	6.3	28.1	2.5	14.3
PsAAP 7b (9261)	3.0	1.2	-2.2	7.8	-3.0	1.6	2.6
PsAAP 2a (675)(Cluster 3A)	6.4	14.4	53.2	55.5	80.1	10.5	7.1
PsAAP 2c (4401)	1.4	2.2	2.0	1.2	1.3	1.3	1.0
PsAAP 2d (840)	1.8	2.9	5.9	1.0	1.3	-4.2	-1.4
PsAAP 3b (051)	1.1	3.5	11.7	17.9	13.9	3.3	2.1
PsAAP 6a (931)(Cluster 4B)	1.6	-1.5	2.3	1.2	1.1	1.6	-21.3
PsAAP 6b (328)	1.6	2.2	5.1	1.4	6.7	1.3	-1.3
PsAAP 1 (180)	-1.3	-1.0	2.6	4.2	3.3	-1.3	1.5
PsCWINV 1 (240)	1.6	2.0	1.2	2.7	4.1	1.1	10.1
PsCWINV 2 (448)	1.1	2.2	2.8	11.9	25.5	1.5	14.1
PsCWINV 3 (415)	3.0	3.3	6.3	9.0	8.2	2.6	2.4
PsCWINV 6 (320)	2.3	1.7	2.7	2.4	1.6	1.3	1.5
PsSW 2a	2.7	3.7	-3.2	5.0	-2.1	-1.6	1.0
PsSW 13	3.0	1.2	-2.2	7.8	-3.0	1.6	2.6
PsSW 12 (13b)	1.2	2.5	-1.5	2.7	-2.3	1.8	1.7

**Fig S4C: Line 1/55-AAP1(3a) vs 'BOHATYR' (Cotyledons)**

Target Genes	Developmental stages						
	12d	14d	16d	18d	20d	23d	30d
PsiPT 1 (604)	2.0	5.9	1.1	1.9	1.1	2.9	
PsiPT 2 (605)	1.8	6.1	-2.2	2.3	1.1	2.5	
PsiPT 4 (421)	7.7	5.0	16.5	3.8	5.1	4.1	3.9
PsCKX 1 (930)	9.3	-1.4	-3.6	3.2	-2.5	1.5	7.3
PsCKX 2 (627)	1.1	1.8	-4.5	1.5	-2.9	1.2	2.1
PsCKX 5 (942)	2.0	1.3	1.1	1.2	1.1	1.2	1.4
PsCKX 7 (910)	3.6	1.6	-3.6	2.0	-2.0	-1.0	1.9
PsSUT 1 (366)	2.3	1.5	1.0	3.8	-2.4	-1.4	1.1
PsSUT 2 (948)	1.6	1.3	1.2	2.6	1.3	1.2	3.2
PsSUT 3 (674)	-7.0	1.2	1.4	-2.7	-6.7	-4.7	-1.0
PsSUT 5 (666)	8.4	2.9	1.3	2.1	4.1	2.4	2.7
PsAAP 1(3a) (532 Transgene)	-1.6	2.9	-1.6	1.1	1.1	2.7	-1.9
PsAAP 7a (498)(Cluster 1)	-1.6	2.6	-2.3	7.4	-1.5	1.1	4.1
PsAAP 7b (9261)	-1.2	-0.4	-1.1	1.2	1.6	2.0	-2.6
PsAAP 2a (675)(Cluster 3A)	-1.6	-1.2	-2.4	-1.9	-6.8	-2.0	1.3
PsAAP 2c (4401)	2.1	1.9	-2.3	1.7	-1.1	1.0	6.0
PsAAP 2d (840)	3.1	1.4	-2.6	1.3	1.1	1.8	3.2
PsAAP 3b (051)	1.7	4.3	-29.5	-1.3	-10.3	-1.1	1.4
PsAAP 6a (931) (Cluster 4B)	2.8	1.6	-2.7	1.3	-2.1	1.6	2.8
PsAAP 6b (328)	-2.7	1.4	-3.2	2.9	1.6	6.4	10.3
PsAAP 1 (180)	4.7	1.4	-2.7	-1.2	1.2	-1.0	3.9
PsCWINV 1 (240)	-2.2	3.9	-9.4	7.8	-8.6	6.2	-4.4
PsCWINV 2 (448)	-21.6	1.0	-16.7	1.4	2.6	1.5	-2.0
PsCWINV 3 (415)	-1.5	1.8	-3.5	4.4	-1.7	-1.8	-8.6
PsCWINV 6 (320)	1.2	3.5	-7.3	2.5	-1.1	13.0	-1.4
PsSW 2a	2.7	3.7	-3.2	5.0	-2.1	-1.6	1.0
PsSW 13	3.0	1.2	-2.2	7.8	-3.0	1.6	2.6
PsSW 12 (13b)	1.2	2.5	-1.5	2.7	-2.3	1.8	1.7



**Fig. S4.** Relative gene expression of cytokinin biosynthesis (*PsiPT*), cytokinin degradation (*PsCKX*), sucrose transporters (*PsSUT*), amino acid transporters (*PsAAP*), cell wall invertase (*PsINV*) and *PsSWEET* (*PsSW*) gene family members in

- A) Leaves of transgenic line 1/55-AAP1(3a) relative to 'Bohatyr' from 5 d to 20 d (d=Days)
- B) Seed coats of transgenic line 1/55-AAP1(3a) relative to 'Bohatyr' from 12-30 DAP
- C) Cotyledons of transgenic line 1/55-AAP1(3a) relative to 'Bohatyr' from 12-30 DAP

Values are fold-changes relative to the expression in the wildtype 'Bohatyr' line. The colour scale indicates up-regulated expression (red), similar expression (white), and down-regulated expression (blue) relative to that in the wildtype line.

**Table S1.** Cytokinin analysis for pods, podwalls, seedcoats and cotyledons for wildtype ‘Bolero’ and the double transgenic line 562 for total cytokinins, tZ-types, cZ-types, DHZ-types, and total iP-types. Cytokinin levels are in pmol/g dry weight (Mean ± SD; RSD=Relative Standard Deviation)

Sample	Total Cytokinins		Total CK Bases		Total CK Ribosides		Total CK Nucleotides		Total CK O-glucosides		Total CK N-glucosides	
Bolero 1 DAF pod	266.22	± 31.29	103.78	± 3.63	26.70	± 3.65	97.93	± 18.80	31.74	± 5.32	6.07	± 0.63
Bolero 3 DAF pod	147.42	± 25.90	59.40	± 6.74	13.04	± 3.02	63.43	± 16.05	9.53	± 1.34	2.01	± 0.43
562 0 DAF pod	189.51		108.09		35.43		27.02		18.29	0.00	0.69	
562 1 DAF pod	160.19	± 11.06	72.12	± 4.40	10.48	± 0.37	54.41	± 1.63	21.97	± 4.35	1.22	± 0.31
Bolero 7 DAF Podwall	189.90	± 4.95	67.82	± 7.28	5.21	± 0.32	91.83	± 15.59	23.68	± 3.20	1.35	± 0.30
Bolero 10 DAF Podwal	197.42	± 2.81	43.11	± 2.97	11.76	± 1.09	115.49	± 4.72	26.17	± 1.18	0.89	± 0.10
Bolero 12 DAF Podwal	171.85	± 30.16	29.79	± 3.89	9.15	± 1.23	105.88	± 19.57	26.25	± 5.73	0.78	± 0.14
Bolero 14 DAF Podwal	147.07	± 9.65	32.63	± 0.80	8.84	± 1.81	80.72	± 8.68	24.60	± 5.07	0.28	± 0.04
Bolero 16 DAF Podwal	141.23	± 5.10	30.85	± 2.12	10.95	± 1.28	77.23	± 3.73	22.03	± 2.10	0.16	± 0.02
562 7 DAF Podwall	166.01	± 7.90	70.18	± 2.38	3.29	± 0.47	68.01	± 9.18	23.61	± 0.42	0.93	± 0.16
562 10 DAF Podwall	221.76	± 33.87	63.03	± 4.30	8.44	± 1.41	123.94	± 27.23	25.91	± 6.38	0.44	± 0.07
562 14 DAF Podwall	183.37	± 29.88	28.07	± 0.25	15.20	± 2.86	105.38	± 20.58	34.39	± 6.64	0.33	± 0.06
562 16 DAF Podwall	143.64	± 18.73	23.23	± 2.97	11.94	± 1.42	79.51	± 13.65	28.67	± 1.08	0.30	± 0.03
562 20 DAF Podwall	120.53	± 9.32	37.49	± 6.54	5.08	± 0.33	39.29	± 1.35	38.22	± 5.48	0.46	± 0.05
Bolero 10 DAF Seedco	370.66	± 56.10	50.30	± 11.86	19.93	± 2.36	276.28	± 41.29	14.36	± 2.51	9.78	± 1.92
Bolero 12 DAF Seedco	188.63	± 35.93	32.20	± 5.40	8.94	± 0.68	138.20	± 31.12	7.04	± 1.35	2.25	± 0.64
Bolero 14 DAF Seedco	1000.04	± 59.62	37.38	± 6.45	39.92	± 6.75	911.55	± 47.39	9.85	± 1.06	1.34	± 0.10
Bolero 16 DAF Seedco	144.35	± 12.19	22.80	± 3.24	7.43	± 0.57	104.94	± 15.82	7.09	± 1.46	2.09	± 0.54
Bolero 20 DAF Seedco	180.25	± 35.80	22.16	± 5.09	10.01	± 0.97	137.63	± 28.72	8.52	± 2.06	1.92	± 0.21
562 10 DAF Seedcoat	150.70	± 32.87	20.94	± 2.99	11.12	± 2.72	104.73	± 24.48	6.04	± 0.84	7.88	± 2.27
562 12 DAF Seedcoat	492.80	± 115.76	25.47	± 5.28	12.04	± 2.75	444.09	± 108.86	8.23	± 1.07	2.96	± 0.47
562 14 DAF Seedcoat	921.87	± 108.78	43.86	± 7.32	30.40	± 1.74	837.77	± 104.18	8.17	± 1.26	1.68	± 0.36
562 16 DAF Seedcoat	1139.11	± 217.62	27.68	± 2.62	42.69	± 10.80	1058.28	± 221.46	9.60	± 1.39	0.86	± 0.17
562 20 DAF Seedcoat	957.35	± 221.68	30.07	± 6.75	27.04	± 5.40	882.98	± 208.87	15.83	± 4.07	1.43	± 0.35
Bolero 7 DAF Cotyledo	162.81	± 28.31	53.82	± 6.33	10.65	± 1.77	79.75	± 16.43	4.77	± 0.42	13.82	± 3.36
Bolero 10 DAF Cotyledo	239.16	± 50.47	30.59	± 3.85	21.01	± 1.89	173.99	± 44.49	10.38	± 0.63	3.20	± 0.37
Bolero 12 DAF Cotyledo	34.45		20.74	0.00	12.16		0.00		1.41		0.15	0.00
Bolero 14 DAF Cotyledo	74.71	± 14.71	20.65	± 4.42	4.17	± 0.90	43.64	± 10.15	6.18	± 1.61	0.07	± 0.01
Bolero 16 DAF Cotyledo	47.21	± 6.32	16.47	± 1.17	2.22	± 0.16	24.14	± 4.61	4.35	± 0.65	0.03	± 0.01
Bolero 20 DAF Cotyledo	148.09	± 17.30	39.93	± 0.85	4.66	± 0.50	99.69	± 19.03	3.79	± 0.38	0.02	± 0.00
562 7 DAF Cotyledon	198.99	± 44.57	31.18	± 4.38	12.59	± 0.45	131.29	± 32.52	6.47	± 0.08	17.47	± 7.30
562 12 DAF Cotyledon	107.30		26.65		10.44		63.85		6.32		0.05	
562 14 DAF Cotyledon	87.88	± 18.46	14.55	± 3.26	2.17	± 0.31	67.21	± 17.77	3.92	± 0.45	0.03	
562 16 DAF Cotyledon	80.28	± 2.83	23.32	± 3.86	2.42	± 0.55	49.13	± 1.26	5.35	± 1.09	0.06	± 0.01
562 20 DAF Cotyledon	39.46	± 2.03	13.83	± 3.25	1.63	± 0.04	20.93	± 4.50	3.04	± 0.11	0.02	± 0.00

Sample	Total tZ-types	tZ	tZR	tZRMp	tZOG	tZROG	tZ7G	tZ9G
Bolero 1 DAF pod	<b>29.90</b> ± <b>4.20</b>	19.38 ± 3.19	0.97 ± 0.06	5.08 ± 0.53	4.88 ± 0.71	0.25 ± 0.05	1.02 ± 0.15	<LOD
Bolero 3 DAF pod	<b>24.74</b> ± <b>3.68</b>	12.53 ± 2.43	1.33 ± 0.18	7.64 ± 1.04	2.21 ± 0.54	0.49 ± 0.08	0.55 ± 0.13	<LOD
562 0 DAF pod	<b>27.27</b>	13.77	0.65	8.33	3.98 0.00	0.24	0.30	<LOD
562 1 DAF pod	<b>19.12</b> ± <b>3.12</b>	9.65 ± 1.23	0.51 ± 0.05	4.29 ± 0.61	4.26 ± 1.17	0.14 ± 0.03	0.28 ± 0.03	<LOD
Bolero 7 DAF Podwall	<b>33.00</b> ± <b>2.69</b>	12.43 ± 2.41	0.40 ± 0.01	12.29 ± 1.71	6.16 ± 0.19	1.05 ± 0.12	0.67 ± 0.10	<LOD
Bolero 10 DAF Podwall	<b>36.91</b> ± <b>3.43</b>	5.18 ± 0.76	3.10 ± 0.09	20.87 ± 4.18	4.84 ± 0.18	2.52 ± 0.07	0.40 ± 0.04	<LOD
Bolero 12 DAF Podwall	<b>30.25</b> ± <b>5.59</b>	4.87 ± 1.05	1.87 ± 0.41	14.46 ± 2.46	5.75 ± 1.04	2.77 ± 0.72	0.52 ± 0.09	<LOD
Bolero 14 DAF Podwall	<b>20.06</b> ± <b>3.10</b>	2.24 ± 0.40	1.18 ± 0.25	8.32 ± 1.03	5.12 ± 1.20	3.04 ± 0.56	0.16 ± 0.03	<LOD
Bolero 16 DAF Podwall	<b>23.62</b> ± <b>1.20</b>	2.92 ± 0.51	2.94 ± 0.21	9.78 ± 0.27	4.99 ± 0.78	2.92 ± 0.05	0.06 ± 0.01	<LOD
562 7 DAF Podwall	<b>31.99</b> ± <b>1.98</b>	12.84 ± 1.23	0.38 ± 0.10	11.98 ± 2.06	5.74 ± 0.48	0.65 ± 0.02	0.39 ± 0.04	<LOD
562 10 DAF Podwall	<b>38.63</b> ± <b>7.14</b>	7.85 ± 1.33	1.58 ± 0.19	22.47 ± 4.69	4.06 ± 0.80	2.44 ± 0.49	0.22 ± 0.04	<LOD
562 14 DAF Podwall	<b>26.02</b> ± <b>4.23</b>	2.45 ± 0.36	3.17 ± 0.41	12.53 ± 1.82	4.23 ± 0.87	3.51 ± 0.75	0.13 ± 0.02	<LOD
562 16 DAF Podwall	<b>20.11</b> ± <b>1.23</b>	2.71 ± 0.39	2.35 ± 0.17	7.48 ± 0.62	4.22 ± 0.06	3.23 ± 0.08	0.12 ± 0.01	<LOD
562 20 DAF Podwall	<b>12.53</b> ± <b>1.06</b>	1.92 ± 0.27	0.27 ± 0.05	1.61 ± 0.27	4.23 ± 0.65	4.87 ± 1.17	0.17 ± 0.01	<LOD
Bolero 10 DAF Seedco	<b>11.83</b> ± <b>0.15</b>	7.16 ± 1.04	0.27 ± 0.05	3.40 ± 1.02	0.59 ± 0.07	0.31 ± 0.01	0.10 ± 0.02	<LOD
Bolero 12 DAF Seedco	<b>6.05</b> ± <b>0.85</b>	4.60 ± 0.41	0.13 ± 0.01	1.57 ± 0.50	0.20 ± 0.05	0.09 ± 0.02	0.06 ± 0.01	<LOD
Bolero 14 DAF Seedco	<b>20.46</b> ± <b>1.14</b>	3.96 ± 0.32	0.59 ± 0.02	15.01 ± 0.84	0.48 ± 0.02	0.35 ± 0.03	0.07 ± 0.01	<LOD
Bolero 16 DAF Seedco	<b>4.50</b> ± <b>0.86</b>	2.59 ± 0.51	0.13 ± 0.01	2.03 ± 0.14	0.22 ± 0.03	0.16 ± 0.02	0.05 ± 0.01	<LOD
Bolero 20 DAF Seedco	<b>5.74</b> ± <b>1.12</b>	3.65 ± 0.78	0.17 ± 0.03	1.39 ± 0.26	0.30 ± 0.06	0.19 ± 0.04	0.04 ± 0.00	<LOD
562 10 DAF Seedcoat	<b>4.21</b> ± <b>0.94</b>	3.59 ± 0.71	0.10 ± 0.02	<LOD	0.44 ± 0.12	0.16 ± 0.04	0.06 ± 0.01	<LOD
562 12 DAF Seedcoat	<b>18.70</b> ± <b>3.39</b>	4.82 ± 1.17	0.35 ± 0.07	13.28 ± 2.33	0.21 ± 0.01	0.09 ± 0.00	0.02 ± 0.01	<LOD
562 14 DAF Seedcoat	<b>25.46</b> ± <b>4.13</b>	6.56 ± 1.49	0.62 ± 0.03	17.86 ± 2.62	0.27 ± 0.03	0.11 ± 0.00	0.04 ± 0.01	<LOD
562 16 DAF Seedcoat	<b>11.28</b> ± <b>2.89</b>	3.47 ± 0.78	0.23 ± 0.04	7.02 ± 2.14	0.33 ± 0.03	0.20 ± 0.03	0.04 ± 0.01	<LOD
562 20 DAF Seedcoat	<b>4.66</b> ± <b>1.49</b>	1.60 ± 0.29	0.12 ± 0.02	2.90 ± 0.39	0.56 ± 0.09	0.40 ± 0.07	0.05 ± 0.01	<LOD
Bolero 7 DAF Cotyledo	<b>7.29</b> ± <b>0.43</b>	5.98 ± 0.34	0.22 ± 0.03	<LOD	0.82 ± 0.12	0.13 ± 0.02	0.15 ± 0.02	<LOD
Bolero 10 DAF Cotylo	<b>10.48</b> ± <b>1.42</b>	4.66 ± 0.37	0.19 ± 0.04	5.09 ± 1.54	0.35 ± 0.04	0.13 ± 0.03	0.05 ± 0.01	<LOD
Bolero 12 DAF Cotylo	<b>4.08</b> ± <b>0.00</b>	3.45 0.00	0.48	<LOD	<LOD	<LOD	0.15	<LOD
Bolero 14 DAF Cotylo	<b>5.22</b> ± <b>0.81</b>	4.59 ± 1.02	0.16 ± 0.03	0.61 ± 0.00	0.20 ± 0.05	<LOD	0.07 ± 0.01	<LOD
Bolero 16 DAF Cotylo	<b>4.26</b> ± <b>1.41</b>	3.52 ± 0.74	0.06 ± 0.01	1.60 ± 0.00	0.15 ± 0.01	0.04 ± 0.01	0.03 ± 0.01	<LOD
Bolero 20 DAF Cotylo	<b>2.16</b> ± <b>0.14</b>	1.86 ± 0.12	0.07 ± 0.02	<LOD	0.09 ± 0.03	0.11 ± 0.03	0.02 ± 0.00	<LOD
562 7 DAF Cotyledon	<b>6.20</b> ± <b>0.78</b>	4.94 ± 0.58	0.19 ± 0.03	<LOD	0.79 ± 0.18	0.16 ± 0.03	0.12 ± 0.02	<LOD
562 12 DAF Cotyledon	<b>5.60</b>	4.28	0.21	0.49	0.57	<LOD	0.05	<LOD
562 14 DAF Cotyledon	<b>4.44</b> ± <b>0.64</b>	3.36 ± 0.56	0.07 ± 0.01	1.22 ± 0.01	0.16 ± 0.03	0.03 ± 0.00	0.03 ± 0.00	<LOD
562 16 DAF Cotyledon	<b>4.48</b> ± <b>0.36</b>	3.86 ± 0.80	0.09 ± 0.01	1.04 ± 0.00	0.13 ± 0.00	0.07 ± 0.02	0.06 ± 0.01	<LOD
562 20 DAF Cotyledon	<b>1.52</b> ± <b>0.07</b>	1.27 ± 0.11	0.07 ± 0.01	<LOD	0.07 ± 0.01	0.11 ± 0.01	0.02 ± 0.00	<LOD
Sample	Total cZ-types	cZ	cZR	cZRMp	cZOG	cZROG	cZ7G	cZ9G
Bolero 1 DAF pod	<b>132.40</b> ± <b>23.82</b>	21.77 ± 3.55	14.70 ± 1.13	79.40 ± 17.40	7.33 ± 0.98	9.21 ± 1.87	<LOD	<LOD
Bolero 3 DAF pod	<b>58.09</b> ± <b>15.52</b>	14.85 ± 4.24	2.59 ± 0.66	37.65 ± 10.37	2.61 ± 0.45	0.39 ± 0.09	<LOD	<LOD
562 0 DAF pod	<b>16.77</b>	9.30	2.52	<LOD	4.67 0.00	0.28	<LOD	<LOD
562 1 DAF pod	<b>43.66</b> ± <b>2.90</b>	8.42 ± 2.46	1.69 ± 0.19	28.85 ± 4.94	4.36 ± 0.32	0.35 ± 0.10	<LOD	<LOD
Bolero 7 DAF Podwall	<b>115.10</b> ± <b>11.21</b>	31.64 ± 1.53	1.75 ± 0.35	72.54 ± 14.85	8.38 ± 1.78	0.79 ± 0.16	<LOD	<LOD
Bolero 10 DAF Podwall	<b>84.25</b> ± <b>7.02</b>	2.84 ± 0.36	1.98 ± 0.18	70.77 ± 7.00	6.11 ± 0.19	2.57 ± 0.27	<LOD	<LOD
Bolero 12 DAF Podwall	<b>94.23</b> ± <b>16.45</b>	4.86 ± 0.71	2.87 ± 0.53	78.63 ± 14.95	6.25 ± 1.15	1.63 ± 0.40	<LOD	<LOD
Bolero 14 DAF Podwall	<b>74.13</b> ± <b>8.26</b>	6.82 ± 1.22	2.47 ± 0.58	58.03 ± 10.32	5.31 ± 1.39	1.50 ± 0.24	<LOD	<LOD
Bolero 16 DAF Podwall	<b>71.25</b> ± <b>2.49</b>	4.36 ± 0.79	2.45 ± 0.16	57.87 ± 3.71	5.21 ± 1.37	1.35 ± 0.06	<LOD	<LOD
562 7 DAF Podwall	<b>65.44</b> ± <b>3.19</b>	18.45 ± 2.42	0.66 ± 0.06	39.20 ± 5.43	6.70 ± 0.05	0.43 ± 0.05	<LOD	<LOD
562 10 DAF Podwall	<b>104.11</b> ± <b>18.21</b>	12.13 ± 2.66	1.83 ± 0.47	83.49 ± 18.08	4.71 ± 0.98	1.96 ± 0.53	<LOD	<LOD
562 14 DAF Podwall	<b>86.36</b> ± <b>16.67</b>	2.24 ± 0.67	4.05 ± 0.85	72.09 ± 15.06	5.45 ± 1.09	2.53 ± 0.34	<LOD	<LOD
562 16 DAF Podwall	<b>62.39</b> ± <b>9.96</b>	3.31 ± 0.80	2.07 ± 0.32	49.15 ± 9.64	5.10 ± 0.28	2.76 ± 0.33	<LOD	<LOD
562 20 DAF Podwall	<b>51.15</b> ± <b>4.42</b>	8.36 ± 2.45	1.59 ± 0.22	32.11 ± 1.01	6.12 ± 0.88	2.96 ± 0.41	<LOD	<LOD
Bolero 10 DAF Seedco	<b>180.45</b> ± <b>43.09</b>	14.76 ± 4.43	6.32 ± 1.56	150.22 ± 34.59	8.29 ± 2.50	0.86 ± 0.01	<LOD	<LOD
Bolero 12 DAF Seedco	<b>74.38</b> ± <b>15.75</b>	6.94 ± 1.61	3.50 ± 0.52	58.80 ± 15.09	4.49 ± 0.84	0.64 ± 0.12	<LOD	<LOD
Bolero 14 DAF Seedco	<b>193.20</b> ± <b>30.18</b>	4.82 ± 1.40	4.15 ± 0.17	176.72 ± 29.93	6.89 ± 1.02	0.62 ± 0.03	<LOD	<LOD
Bolero 16 DAF Seedco	<b>50.71</b> ± <b>5.00</b>	3.39 ± 0.87	2.13 ± 0.48	40.39 ± 6.75	4.42 ± 1.21	0.37 ± 0.03	<LOD	<LOD
Bolero 20 DAF Seedco	<b>82.57</b> ± <b>20.47</b>	5.96 ± 1.49	3.55 ± 0.71	65.80 ± 17.82	6.69 ± 1.78	0.58 ± 0.04	<LOD	<LOD
562 10 DAF Seedcoat	<b>80.64</b> ± <b>17.58</b>	3.48 ± 0.25	5.00 ± 1.35	69.76 ± 16.20	1.91 ± 0.33	0.50 ± 0.10	<LOD	<LOD
562 12 DAF Seedcoat	<b>118.03</b> ± <b>19.78</b>	3.98 ± 1.13	2.53 ± 0.21	106.06 ± 17.94	4.73 ± 0.78	0.72 ± 0.14	<LOD	<LOD
562 14 DAF Seedcoat	<b>206.69</b> ± <b>20.95</b>	4.97 ± 0.91	7.02 ± 1.29	188.00 ± 20.46	5.98 ± 1.23	0.71 ± 0.10	<LOD	<LOD
562 16 DAF Seedcoat	<b>90.91</b> ± <b>23.72</b>	2.20 ± 0.59	1.87 ± 0.35	78.66 ± 21.74	7.52 ± 1.24	0.65 ± 0.10	<LOD	<LOD
562 20 DAF Seedcoat	<b>121.50</b> ± <b>25.73</b>	4.58 ± 0.99	1.44 ± 0.12	101.78 ± 22.12	13.09 ± 3.66	0.61 ± 0.13	<LOD	<LOD
Bolero 7 DAF Cotyledo	<b>49.01</b> ± <b>12.31</b>	3.29 ± 0.81	2.93 ± 0.86	41.16 ± 10.77	1.08 ± 0.23	0.54 ± 0.10	<LOD	<LOD
Bolero 10 DAF Cotylo	<b>101.91</b> ± <b>23.72</b>	2.85 ± 0.41	8.20 ± 1.21	86.15 ± 23.86	3.63 ± 0.95	1.08 ± 0.19	<LOD	<LOD
Bolero 12 DAF Cotylo	<b>5.14</b> ± <b>0.00</b>	0.79 0.00	3.43	<LOD	0.92	<LOD	0.00	<LOD
Bolero 14 DAF Cotylo	<b>31.85</b> ± <b>6.19</b>	1.25 ± 0.25	1.06 ± 0.25	23.88 ± 5.73	5.57 ± 1.54	0.13 ± 0.03	<LOD	<LOD
Bolero 16 DAF Cotylo	<b>21.98</b> ± <b>4.53</b>	1.89 ± 0.39	0.50 ± 0.12	15.59 ± 3.87	3.86 ± 0.65	0.14 ± 0.04	<LOD	<LOD
Bolero 20 DAF Cotylo	<b>104.18</b> ± <b>19.17</b>	3.08 ± 0.53	2.25 ± 0.06	95.39 ± 18.96	3.38 ± 0.38	0.08 ± 0.00	<LOD	<LOD
562 7 DAF Cotyledon	<b>89.42</b> ± <b>25.07</b>	3.16 ± 0.65	4.23 ± 1.01	77.38 ± 23.93	4.17 ± 0.64	0.47 ± 0.12	<LOD	<LOD
562 12 DAF Cotyledon	<b>61.15</b>	2.11	4.77	48.80	5.47	<LOD	<LOD	<LOD
562 14 DAF Cotyledon	<b>54.16</b> ± <b>13.15</b>	3.76 ± 1.06	0.86 ± 0.10	45.95 ± 13.34	3.56 ± 0.40	0.05	<LOD	<LOD
562 16 DAF Cotyledon	<b>37.15</b> ± <b>2.11</b>	1.69 ± 0.48	0.67 ± 0.12	29.81 ± 1.21	4.86 ± 1.06	0.12 ± 0.03	<LOD	<LOD
562 20 DAF Cotyledon	<b>24.06</b> ± <b>4.46</b>	1.32 ± 0.41	0.82 ± 0.18	19.14 ± 4.58	2.72 ± 0.15	0.06 ± 0.02	<LOD	<LOD

Sample	Total DHZ-types	DHZ	DHZR	DHZRMP	DHZOG	DHZROG	DHZTG	DHZ9G
Bolero 1 DAF pod	<b>55.13</b> ± <b>11.24</b>	27.45 ± 6.36	7.31 ± 1.55	5.25 ± 1.34	8.36 ± 1.98	1.71 ± 0.41	5.05 ± 0.52	<LOD
Bolero 3 DAF pod	<b>22.94</b> ± <b>5.31</b>	7.80 ± 2.23	5.03 ± 1.42	4.81 ± 1.26	3.42 ± 0.80	0.62 ± 0.17	1.47 ± 0.34	<LOD
562 0 DAF pod	<b>69.25</b>	41.59	5.45	12.72	9.11 ± 0.00	<LOD	0.39	<LOD
562 1 DAF pod	<b>56.98</b> ± <b>13.92</b>	28.15 ± 6.58	5.28 ± 0.92	9.75 ± 2.77	12.24 ± 3.26	0.63 ± 0.12	0.94 ± 0.27	<LOD
Bolero 7 DAF Podwall	<b>25.93</b> ± <b>2.72</b>	15.19 ± 1.94	1.67 ± 0.42	1.09 ± 0.27	6.30 ± 0.98	1.00 ± 0.09	0.61 ± 0.20	<LOD
Bolero 10 DAF Podwall	<b>44.20</b> ± <b>1.43</b>	24.55 ± 0.95	4.14 ± 0.58	4.89 ± 0.21	8.78 ± 0.33	1.35 ± 0.20	0.40 ± 0.07	0.10 ± 0.02
Bolero 12 DAF Podwall	<b>26.85</b> ± <b>6.18</b>	12.47 ± 3.22	2.41 ± 0.20	1.86 ± 0.41	8.96 ± 2.24	0.89 ± 0.21	0.18 ± 0.05	0.08 ± 0.02
Bolero 14 DAF Podwall	<b>22.85</b> ± <b>4.29</b>	8.40 ± 1.32	2.69 ± 0.74	2.01 ± 0.61	8.73 ± 1.59	0.90 ± 0.17	0.05 ± 0.00	0.07 ± 0.01
Bolero 16 DAF Podwall	<b>20.52</b> ± <b>1.39</b>	7.17 ± 0.42	3.74 ± 0.63	1.95 ± 0.41	6.28 ± 0.34	1.27 ± 0.16	0.04 ± 0.01	0.06 ± 0.00
562 7 DAF Podwall	<b>31.64</b> ± <b>0.77</b>	18.64 ± 0.73	0.90 ± 0.14	1.47 ± 0.18	9.54 ± 0.25	0.54 ± 0.04	0.49 ± 0.12	0.06 ± 0.01
562 10 DAF Podwall	<b>40.29</b> ± <b>7.60</b>	19.73 ± 3.93	3.69 ± 0.52	3.91 ± 1.20	11.57 ± 3.26	1.17 ± 0.37	0.15 ± 0.03	0.07 ± 0.01
562 14 DAF Podwall	<b>37.67</b> ± <b>7.16</b>	11.14 ± 2.38	4.61 ± 0.92	3.05 ± 0.24	16.72 ± 3.13	1.95 ± 0.46	0.10 ± 0.02	0.11 ± 0.01
562 16 DAF Podwall	<b>25.85</b> ± <b>1.95</b>	7.42 ± 0.43	3.40 ± 0.85	1.49 ± 0.10	11.93 ± 0.56	1.42 ± 0.17	0.07 ± 0.01	0.11 ± 0.02
562 20 DAF Podwall	<b>27.48</b> ± <b>4.19</b>	5.11 ± 0.56	1.73 ± 0.42	0.49 ± 0.06	17.70 ± 2.81	2.33 ± 0.59	0.12 ± 0.03	0.18 ± 0.03
Bolero 10 DAF Seedco	<b>40.62</b> ± <b>1.90</b>	9.02 ± 1.03	3.98 ± 0.51	13.63 ± 0.41	1.00 ± 0.09	3.31 ± 0.15	9.68 ± 1.94	<LOD
Bolero 12 DAF Seedco	<b>13.64</b> ± <b>1.93</b>	4.68 ± 1.08	1.41 ± 0.44	3.68 ± 0.82	0.44 ± 0.09	1.24 ± 0.33	2.19 ± 0.63	<LOD
Bolero 14 DAF Seedco	<b>18.51</b> ± <b>0.27</b>	3.98 ± 0.41	2.41 ± 0.54	9.33 ± 0.17	0.54 ± 0.03	0.98 ± 0.04	1.27 ± 0.11	<LOD
Bolero 16 DAF Seedco	<b>14.76</b> ± <b>3.27</b>	3.26 ± 0.87	1.66 ± 0.46	5.89 ± 1.21	0.42 ± 0.11	1.50 ± 0.25	2.03 ± 0.53	<LOD
Bolero 20 DAF Seedco	<b>8.43</b> ± <b>1.02</b>	1.41 ± 0.22	1.61 ± 0.49	2.76 ± 0.64	0.23 ± 0.05	0.54 ± 0.14	1.70 ± 0.21	0.18 ± 0.02
562 10 DAF Seedcoat	<b>31.51</b> ± <b>7.59</b>	4.81 ± 0.61	2.79 ± 0.69	12.91 ± 3.59	0.63 ± 0.13	2.55 ± 0.54	7.82 ± 2.26	<LOD
562 12 DAF Seedcoat	<b>24.24</b> ± <b>3.52</b>	5.46 ± 0.68	1.76 ± 0.51	11.53 ± 2.36	0.51 ± 0.11	2.05 ± 0.16	2.94 ± 0.47	<LOD
562 14 DAF Seedcoat	<b>14.78</b> ± <b>0.71</b>	3.69 ± 0.10	1.48 ± 0.21	6.88 ± 0.93	0.35 ± 0.02	0.74 ± 0.07	1.64 ± 0.36	<LOD
562 16 DAF Seedcoat	<b>10.10</b> ± <b>2.09</b>	2.94 ± 0.72	0.79 ± 0.16	4.64 ± 1.34	0.34 ± 0.06	0.57 ± 0.06	0.72 ± 0.20	0.10 ± 0.03
562 20 DAF Seedcoat	<b>9.43</b> ± <b>1.76</b>	2.01 ± 0.43	0.80 ± 0.17	4.06 ± 0.63	0.58 ± 0.16	0.60 ± 0.14	1.10 ± 0.29	0.28 ± 0.06
Bolero 7 DAF Cotyledo	<b>25.28</b> ± <b>3.72</b>	3.73 ± 0.26	1.83 ± 0.37	3.84 ± 0.56	0.86 ± 0.09	1.35 ± 0.36	13.67 ± 3.34	<LOD
Bolero 10 DAF Cotyledo	<b>25.12</b> ± <b>3.53</b>	6.89 ± 0.44	1.58 ± 0.34	8.32 ± 2.16	0.71 ± 0.05	4.47 ± 1.08	3.15 ± 0.37	<LOD
Bolero 12 DAF Cotyledo	<b>6.60</b> <b>0.00</b>	0.83 0.00	5.29	<LOD	0.48	<LOD	<LOD	<LOD
Bolero 14 DAF Cotyledo	<b>1.77</b> ± <b>0.46</b>	0.59 ± 0.15	0.87 ± 0.25	<LOD	0.31 ± 0.07	<LOD	<LOD	<LOD
Bolero 16 DAF Cotyledo	<b>1.31</b> ± <b>0.20</b>	0.36 ± 0.01	0.73 ± 0.20	<LOD	0.22 ± 0.01	<LOD	<LOD	<LOD
Bolero 20 DAF Cotyledo	<b>1.14</b> ± <b>0.76</b>	0.23 ± 0.10	0.78 ± 0.65	<LOD	0.13 ± 0.00	<LOD	<LOD	<LOD
562 7 DAF Cotyledon	<b>32.81</b> ± <b>9.33</b>	4.56 ± 1.21	3.98 ± 0.83	6.05 ± 1.45	0.88 ± 0.23	<LOD	17.34 ± 7.27	<LOD
562 12 DAF Cotyledon	<b>6.06</b>	1.32	3.31	1.16	0.27	<LOD	<LOD	<LOD
562 14 DAF Cotyledon	<b>1.74</b> ± <b>0.31</b>	0.35 ± 0.11	0.50 ± 0.13	0.73 ± 0.20	0.16 ± 0.03	<LOD	<LOD	<LOD
562 16 DAF Cotyledon	<b>1.01</b> ± <b>0.25</b>	0.30 ± 0.07	0.47 ± 0.14	<LOD	0.23 ± 0.04	<LOD	<LOD	<LOD
562 20 DAF Cotyledon	<b>0.64</b> ± <b>0.10</b>	0.21 ± 0.04	0.32 ± 0.08	<LOD	0.10 ± 0.01	<LOD	<LOD	<LOD

<i>Sample</i>	<i>Total iP-types</i>		<i>iP</i>		<i>iPR</i>		<i>iPRMP</i>			<i>iP7G</i>		<i>iP9G</i>		
Bolero 1 DAF pod	<b>48.79</b>	±	<b>7.39</b>	35.17	±	9.05	3.72	±	0.96	9.90	±	1.79	<LOD	<LOD
Bolero 3 DAF pod	<b>41.65</b>	±	<b>1.59</b>	24.21	±	2.68	4.10	±	1.19	13.33	±	3.54	<LOD	<LOD
562 0 DAF pod	<b>76.22</b>			43.43			26.81			5.97			<LOD	<LOD
562 1 DAF pod	<b>40.43</b>	±	<b>3.08</b>	25.90	±	5.87	3.00	±	0.40	11.53	±	3.19	<LOD	<LOD
Bolero 7 DAF Podwall	<b>15.87</b>	±	<b>1.10</b>	8.58	±	1.78	1.38	±	0.13	5.91	±	0.87	<LOD	<LOD
Bolero 10 DAF Podwal	<b>32.06</b>	±	<b>1.22</b>	10.54	±	1.47	2.55	±	0.31	18.97	±	0.18	<LOD	<LOD
Bolero 12 DAF Podwal	<b>20.52</b>	±	<b>2.49</b>	7.59	±	1.52	2.00	±	0.36	10.93	±	2.18	<LOD	<LOD
Bolero 14 DAF Podwal	<b>30.02</b>	±	<b>0.78</b>	15.17	±	3.46	2.50	±	0.47	12.35	±	2.88	<LOD	<LOD
Bolero 16 DAF Podwal	<b>25.85</b>	±	<b>3.91</b>	16.39	±	2.94	1.83	±	0.30	7.63	±	1.02	<LOD	<LOD
562 7 DAF Podwall	<b>36.93</b>	±	<b>3.93</b>	20.24	±	1.99	1.34	±	0.28	15.35	±	2.11	<LOD	<LOD
562 10 DAF Podwall	<b>38.74</b>	±	<b>6.34</b>	23.32	±	6.54	1.34	±	0.39	14.07	±	3.84	<LOD	<LOD
562 14 DAF Podwall	<b>33.32</b>	±	<b>1.82</b>	12.25	±	2.31	3.37	±	0.68	17.70	±	3.46	<LOD	<LOD
562 16 DAF Podwall	<b>35.29</b>	±	<b>6.25</b>	9.78	±	2.14	4.12	±	0.33	21.39	±	4.03	<LOD	<LOD
562 20 DAF Podwall	<b>29.37</b>	±	<b>4.03</b>	22.10	±	4.27	1.48	±	0.20	5.79	±	1.30	<LOD	<LOD
Bolero 10 DAF Seedco	<b>137.76</b>	±	<b>14.76</b>	19.37	±	5.36	9.36	±	1.26	109.03	±	8.13	<LOD	<LOD
Bolero 12 DAF Seedco	<b>94.56</b>	±	<b>23.20</b>	15.98	±	2.33	3.90	±	0.71	74.68	±	20.35	<LOD	<LOD
Bolero 14 DAF Seedco	<b>767.86</b>	±	<b>28.58</b>	24.61	±	4.33	32.77	±	7.47	710.49	±	16.78	<LOD	<LOD
Bolero 16 DAF Seedco	<b>74.38</b>	±	<b>10.35</b>	13.55	±	2.70	3.52	±	0.39	57.31	±	9.04	<LOD	<LOD
Bolero 20 DAF Seedco	<b>83.50</b>	±	<b>16.95</b>	11.14	±	3.00	4.68	±	0.81	67.68	±	13.50	<LOD	<LOD
562 10 DAF Seedcoat	<b>34.33</b>	±	<b>6.89</b>	9.06	±	1.58	3.22	±	0.80	22.06	±	4.87	<LOD	<LOD
562 12 DAF Seedcoat	<b>331.84</b>	±	<b>92.39</b>	11.21	±	2.36	7.40	±	1.99	313.22	±	90.03	<LOD	<LOD
562 14 DAF Seedcoat	<b>674.93</b>	±	<b>83.68</b>	28.64	±	5.50	21.27	±	1.05	625.02	±	80.44	<LOD	<LOD
562 16 DAF Seedcoat	<b>1026.83</b>	±	<b>189.15</b>	19.07	±	4.67	39.79	±	10.43	967.96	±	196.50	<LOD	<LOD
562 20 DAF Seedcoat	<b>821.76</b>	±	<b>193.17</b>	21.88	±	5.75	24.67	±	5.18	775.21	±	185.37	<LOD	<LOD
Bolero 7 DAF Cotyledo	<b>81.23</b>	±	<b>11.85</b>	40.82	±	5.44	5.66	±	1.31	34.74	±	5.10	<LOD	<LOD
Bolero 10 DAF Cotyledo	<b>101.65</b>	±	<b>23.53</b>	16.19	±	3.23	11.03	±	1.81	74.43	±	18.75	<LOD	<LOD
Bolero 12 DAF Cotyledo	<b>18.64</b>			15.68	0.00		2.96			<LOD			<LOD	<LOD
Bolero 14 DAF Cotyledo	<b>35.87</b>	±	<b>7.95</b>	14.23	±	3.19	2.09	±	0.56	19.55	±	4.97	<LOD	<LOD
Bolero 16 DAF Cotyledo	<b>19.65</b>	±	<b>1.36</b>	10.70	±	0.97	0.93	±	0.16	8.02	±	1.14	<LOD	<LOD
Bolero 20 DAF Cotyledo	<b>40.61</b>	±	<b>0.97</b>	34.75	±	1.15	1.56	±	0.11	4.30	±	0.07	<LOD	<LOD
562 7 DAF Cotyledon	<b>70.57</b>	±	<b>9.38</b>	18.51	±	1.94	4.20	±	0.30	47.86	±	7.14	<LOD	<LOD
562 12 DAF Cotyledon	<b>34.49</b>			18.95			2.15			13.39			<LOD	<LOD
562 14 DAF Cotyledon	<b>27.54</b>	±	<b>5.32</b>	7.08	±	1.84	0.74	±	0.08	19.72	±	4.90	<LOD	<LOD
562 16 DAF Cotyledon	<b>37.64</b>	±	<b>2.24</b>	17.47	±	3.68	1.19	±	0.31	18.97	±	2.00	<LOD	<LOD
562 20 DAF Cotyledon	<b>13.24</b>	±	<b>3.17</b>	11.03	±	3.14	0.41	±	0.08	1.79	±	0.12	<LOD	<LOD