

**Table 3. Properties of the *GRP* genes and proteins**

Gene	GRP	Species	5' elements*					Exon 1, bp	Exon 2, bp	pI <sup>†</sup>	Predominant amino acid , % content
					III	IV					
7510	14	At			III	IV		251	331	12.2	G(35), A(16), P(11)
		Aa1	I	II	III	IV	V	251	445	12.3	G(37), A(18), P(10)
		Aa2		II	III	IV	V	251	364	12.3	G(40), A(16), P(9)
		Op				IV		245	490	12.3	G(32), A(17), P(14), L(14)
		Si			III			293	376	10.0	G(25), A(18), P(11), S(10)
		Bo			III	IV	V	257	259	10.6	G(22), A(18), P(13), S(10)
7520	18	At	I	II	III	IV	V	245	442	9.9	G(27), A(26), P(12)
		Aa1		II	III	IV		248	436	9.7	G(27), A(25), P(13)
		Aa2	I	II	III	IV	V	243	447	9.9	G(26), A(26), P(13)
		Op			III	IV		245	526	10.0	A(29), G(16), P(13)
		Cr			III	IV		245	280	10.7	G(22), A(16), P(13)
		Si			III	IV		323	385	10.1	G(22), A(20)
		Bo			III	IV		323	238	11.8	A(26), G(15)
7530	17	At	I	II	III	IV	V	419	1213	10.3	G(34), S(18), K(18)
		Aa1	I		III	IV	V	419	1147	10.3	G(42), S(15), K(15)
		Aa2	I		III	IV	V		1141	10.2	G(41), S(15), K(15)
		Op	I	II		IV		470	1003	10.4	G(40), S(16), K(14)
		Cr	I	II	III	IV		509	877	10.4	G(30), S(23), K(17)
		Si	I		III	IV		323	634	10.0	G(26), S(21), K(13)
		Bo	I	II	III	IV		733	353	9.0	G(30), S(25)
7540	16	At	I	II	III	IV		257	478	10.0	G(39), A(14), P(12), S(10)
		Aa1	I	II	III	IV		257	478	9.6	G(35), A(12), P(12)
		Aa2	I	II	III	IV		257	454	9.7	G(35), A(14), P(11)
		Op	I		III	IV		257	469	9.7	G(41), A(16), P(14)
		Cr	I			IV		257	817	10.3	G(32), S(17), K(15), A(12)
		Si	I		III	IV		257	364	9.8	P(19), G(17), K(17), A(11)
		Bo	I		III	IV		257	805	9.5	P(19), G(17), K(17), A(12)
7550	19	At	I	II	III	IV		236	85	11.0	P(22), G(15), A(11)
		Aa1	I	II	III	IV		236	88	11.8	P(21), G(14), A(14), R(11)
		Aa2	I	II	III	IV		236	85	11.0	P(22), G(15), A(11), S(11)
		Op	I	II	III	IV		236	88	11.0	P(29), A(18), T(11)
		Cr	I	II		IV		236	76	10.5	P(21), S(17), K(17), G(12)
		Si (7550)	I		III	IV		239	94	9.6	P(20), K(20), G(13), A(10)
		Si (7555)	I		III	IV		236	85	9.4	P(19), K(15), G(15), D(11)
		Bo	I		III	IV		239	88	10.4	P(18), G(21), K(14)
7560	20	At				IV		317	145	10.3	A(35), P(21), G(17), K(11)
		Aa1				IV		317	160	10.3	A(31), P(20), G(20), K(11)
		Aa2				IV		317	139	10.2	A(43), P(21), G(11), K(11)
		Op				IV		305	142	11.1	A(33), G(22), P(17)
		Cr				IV		308	211	10.5	A(29), G(20), K(17), P(12)

Gene	GRP	Species	5' elements*					Exon 1,	Exon 2,	pI <sup>†</sup>	Predominant amino acid , % content
			I			IV		bp	bp		
		Si	I			IV		320	172	10.1	A(32), P(23), K(19)
7565	21	At	I		III			287	3295	9.1	P(21), G(14), S(14), K(10), A(10)
		Aa1	I					287	3820	10.2	P(20), G(14), S(14), K(10), A(10)
		Aa2	I					287	3784	10.3	P(20), G(14), S(14), K(10), A(10)
		Op	I					287	3523	10.5	G(20), A(14), P(13), K(11), S(10)
		Cr	I					287	256	9.9	P(17), G(14), A(14), K(13), T(13), S(11)
7600	22	At		II	III	IV	V	245	448	10.4	G(19), A(15), T(12), P(11), A(11)
		Aa1		II	III	IV	V	245	334	9.9	A(23), G(23)
		Aa2		II	III	IV	V	245	412	10.0	A(24), G(23)
		Cr			III	IV	V	245	304	9.9	G(17), S(16), A(15), P(12)

\*Indicates the presence of at least one copy of the upstream elements defined previously (1).

<sup>†</sup>Isoelectric point (pI) was calculated by using the PROTPARAM TOOL (<http://us.expasy.org/tools/protparam.html>).

1. de Oliveira, D. E., Franco, L. O., Simoens, C., Seurinck, J., Coppieters, J., Botterman, J. & Van Montagu, M. (1993) *Plant J.* **3**, 495–507.<sup>?AU</sup>