

2. Allele variants of amylase inhibitor amino acid sequence in studied potato lines and varieties

Sample	Allele	2	9	10	13	15	22	26	27	34	37	39	44	47	48	53	54	61	63	64	66	68	70	73	75	78	81	83	90	93	95	101	102	103	104	111	112
Krepysk 1	A1	A	F	L	I	V	N	V	T	M	S	T	F	N	G	T	P	A	R	T	M	N	S	L	V	S	I	F	N	M	L	M	A	R	V	S	T
Krepysk 2	A2	A	F	L	I	V	N	V	T	M	S	T	F	N	G	T	P	A	R	T	M	N	S	L	V	S	I	F	N	M	L	M	A	R	V	S	T
Lyubava 1	A3	A	F	L	I	V	N	V	T	M	S	T	F	N	G	T	P	A	R	T	M	N	S	L	V	S	I	F	N	M	L	M	A	R	V	S	T
Lyubava 2	A4	A	F	L	I	V	N	V	T	M	S	T	F	N	G	T	P	A	R	T	M	N	S	L	V	S	I	F	N	M	L	M	A	R	V	S	T
Lyubava 3	A5	A	F	L	I	V	N	V	T	M	S	T	F	N	G	T	P	A	R	T	M	N	S	L	V	S	I	F	N	M	L	M	A	R	V	S	T
Meteor 1	A6	A	F	L	I	V	N	V	T	M	S	T	F	N	G	T	P	A	R	T	M	N	S	L	V	S	I	F	N	M	L	M	A	R	V	S	T
Meteor 2	A7	A	F	L	I	V	N	V	T	M	S	T	F	N	G	T	P	A	R	T	M	N	S	L	V	S	I	F	N	M	L	M	A	R	V	S	T
Zhigulevskii 1	A8	A	F	L	I	V	N	V	T	M	S	T	F	N	G	T	P	A	R	T	M	N	S	L	V	S	I	F	N	M	L	M	A	R	V	S	T
Zhigulevskii 2	A9	A	F	L	I	V	N	V	T	M	S	T	F	N	G	T	P	A	R	T	M	N	S	L	V	S	I	F	N	M	L	M	A	R	V	S	T
Favorit 2	A10	A	F	L	I	V	N	V	T	M	S	T	F	N	G	T	P	A	R	T	M	N	S	L	V	S	I	F	N	M	L	M	A	R	V	S	T
Favorit 1	A11	A	F	L	I	V	N	V	T	M	S	T	F	N	G	T	P	A	R	T	M	N	S	L	V	S	I	F	N	M	L	M	A	R	V	S	T
Velikan 1	A12	A	F	L	I	V	N	V	T	M	S	T	F	N	G	T	P	A	R	T	M	N	S	L	V	S	I	F	N	M	L	M	A	R	V	S	T
Fioletovyi 1	A13	A	F	L	I	V	N	V	T	M	S	T	F	N	G	T	P	A	R	T	M	N	S	L	V	S	I	F	N	M	L	M	A	R	V	S	T
Fioletovyi 2	A14	A	F	L	I	V	N	V	T	M	S	T	F	N	G	T	P	A	R	T	M	N	S	L	V	S	I	F	N	M	L	M	A	R	V	S	T
Fioletovyi 3	A15	A	F	L	I	V	N	V	T	M	S	T	F	N	G	T	P	A	R	T	M	N	S	L	V	S	I	F	N	M	L	M	A	R	V	S	T
Vympel 1	A16	A	F	L	I	V	N	V	T	M	S	T	F	N	G	T	P	A	R	T	M	N	S	L	V	S	I	F	N	M	L	M	A	R	V	S	T
Kolobok 1	A17	A	F	L	I	V	N	V	T	M	S	T	F	N	G	T	P	A	R	T	M	N	S	L	V	S	I	F	N	M	L	M	A	R	V	S	T
Kolobok 2	A18	A	F	L	I	V	N	V	T	M	S	T	F	N	G	T	P	A	R	T	M	N	S	L	V	S	I	F	N	M	L	M	A	R	V	S	T
Vasilek 1	A19	A	F	L	I	V	N	V	T	M	S	T	F	N	G	T	P	A	R	T	M	N	S	L	V	S	I	F	N	M	L	M	A	R	V	S	T
Vasilek 2	A20	G	F	L	I	V	N	V	T	M	S	T	F	N	G	T	P	A	R	T	M	N	S	L	V	S	I	F	N	M	L	M	A	R	V	S	T
Gulliver 1	A21	A	F	L	I	V	N	V	T	M	S	T	F	N	G	T	P	A	R	T	M	N	S	L	V	S	I	F	N	M	L	M	A	R	V	S	T
Gulliver 2	A22	A	F	L	I	V	N	V	T	M	S	T	F	N	G	T	P	A	R	T	M	N	S	L	V	S	I	F	N	M	L	M	A	R	V	S	T
Fritella 1	A23	A	F	L	I	V	N	V	T	M	S	T	F	N	G	T	P	A	R	T	M	N	S	L	V	S	I	F	N	M	L	M	A	R	V	S	T
Fritella 2	A24	A	F	L	I	V	N	V	T	M	S	T	F	N	G	T	P	A	R	T	M	N	S	L	V	S	I	F	N	M	L	M	A	R	V	S	T
Golubizna 1	A25	A	F	L	I	V	N	V	T	M	S	T	F	N	G	T	P	A	R	T	M	N	S	L	V	S	I	F	N	M	L	M	A	R	V	S	T
Golubizna 2	A26	A	F	L	I	V	N	V	T	M	S	T	F	N	G	T	P	A	R	T	M	N	S	L	V	S	I	F	N	M	L	M	A	R	V	S	T
Golubizna 3	A27	A	F	L	I	V	N	V	T	M	S	T	F	N	G	T	P	A	R	T	M	N	S	L	V	S	I	F	N	M	L	M	A	R	V	S	T
Lyuks 1	A28	A	F	L	I	V	N	V	T	M	S	T	F	N	G	T	P	A	R	T	M	N	S	L	V	S	I	F	N	M	L	M	A	R	V	S	T
Lyuks 2	A29	A	F	L	I	V	N	V	T	M	S	T	F	N	G	T	P	A	R	T	M	N	S	L	V	S	I	F	N	M	L	M	A	R	V	S	T
Lyuks 3	A30	A	F	L	I	V	N	V	T	M	S	T	F	N	G	T	P	A	R	T	M	N	S	L	V	S	I	F	N	M	L	M	A	R	V	S	T
Start 1	A31	A	F	L	I	V	N	V	T	M	S	T	F	N	G	T	P	A	R	T	M	N	S	L	V	S	I	F	N	M	L	M	A	R	V	S	T
Start 2	A32	A	F	L	I	V	N	V	T	M	S	T	F	N	G	T	P	A	R	T	M	N	S	L	V	S	I	F	N	M	L	M	A	R	V	S	T
Start 3	A33	D	F	L	I	V	N	V	T	M	S	T	F	N	G	T	P	A	R	T	M	N	S	L	V	S	I	F	N	M	L	M	A	R	V	S	T
Bravo 1	A34	A	F	L	I	V	N	V	T	M	S	T	F	N	G	T	P	A	R	T	M	N	S	L	V	S	I	F	N	M	L	M	A	R	V	S	T
Bravo 2	A35	A	F	L	I	V	N	V	T	M	S	T	F	N	G	T	P	A	R	T	M	N	S	L	V	S	I	F	N	M	L	M	A	R	V	S	T
Gornyak 1	A36	A	F	L	I	V	N	V	T	M	S	T	F	N	G	T	P	A	R	T	M	N	S	L	V	S	I	F	N	M	L	M	A	R	V	S	T
Gornyak 2	A37	A	F	L	I	V	N	V	T	M	S	T	F	N	G	T	P	A	R	T	M	N	S	L	V	S	I	F	N	M	L	M	A	R	V	S	T
Irbitskii 1	A38	A	F	L	I	V	N	V	T	M	S	T	F	N	G	T	P	A	R	T	M	N	S	L	V	S	I	F	N	M	L	M	A	R	V	S	T
Irbitskii 2	A39	A	F	L	I	V	N	V	T	M	S	T	F	N	G	T	P	A	R	T	M	N	S	L	V	S	I	F	N	M	L	M	A	R	V	S	T
Kortni 1	A40	A	F	L	I	V	N	V	T	M	S	T	F	N	G	T	P	A	R	T	M	N	S	L	V	S	I	F	N	M	L	M	A	R	V	S	T
3-43-2 1	A41	A	F	L	I	V	N	V	T	M	S	T	F	N	G	T	P	A	R	T	M	N	S	L	V	S	I	F	N	M	L	M	A	R	V	S	T
3-43-2 2	A42	A	F	L	I	V	N	V	T	M	S	T	F	N	G	T	P	A	R	T	M	N	S	L	V	S	I	F	N	M	L	M	A	R	V	S	T
3-43-6 1	A43	A	F	L	I	V	N	V	T	M	S	T	F	N	G	T	P	A	R	T	M	N	S	L	V	S	I	F	N	M	L	M	A	R	V	S	T
3-43-6 2	A44	A	F	L	I	V	N	V	T	M	S	T	F	N	G	T	P	A	R	T	M	N	S	L	V	S	I	F	N	M	L	M	A	R	V	S	T
Sambo 1	A45	A	F	L	I	V	N	V	T	M	S	T	F	N	G	T	P	A	R	T	M	N	S	L	V	S	I	F	N	M	L	M	A	R	V	S	T
Gala 1	A46	A	F	L	I	V	N	V	T	M	S	T	F	N	G	T	P	A	R	T	M	N	S	L	V	S	I	F	N	M	L	M	A	R	V	S	T
Gala 2	A47	A	F	L	I	V	N	V	T	M	S	T	F	N	G	T	P	A	R	T	M	N	S	L	V	S	I	F	N	M	L	M	A	R	V	S	T
Impala 1	A48	A	F	L	I	V	N	V	T	M	S	T	F	N	G	T	P	A	R	T	M	N	S	L	V	S	I	F	N	M	L	M	A	R	V	S	T
Impala 2	A49	A	F	L	I	V	N	V	T	M	S	T	F	N	G	T	P	A	R	T	M	N	S	L	V	S	I	F	N	M	L	M	A	R	V	S	T
Red Skarlet 1	A50	A	F	L	I	V	N	V	T	M	S	T	F	N	G	T	P	A	R	T	M	N	S	L	V	S	I	F	N	M	L	M	A	R	V	S	T
Red Skarlet 2	A51	A	F	L	I	V	N	V	T	M	S	T	F	N	G	T	P	A	R	T	M	N	S	L	V	S	I	F	N	M	L	M	A	R	V	S	T
Nevskii 1	A52	A	F	L	I	V	N	V	T	M	S	T	F	N	G	T	P	A	R	T	M	N	S	L	V	S	I	F	N	M	L	M	A	R	V	S	T
Nevskii 2	A53	A	F	L	I	V	N	V	T	M	S	T	F	N	G	T	P	A	R	T	M	N	S	L	V	S	I	F	N	M	L	M	A	R	V	S	T
Matushka 1	A54	A	F	L	I	V	N	V	T	M	S	T	F	N	G	T	P	A	R	T	M	N	S	L	V	S	I	F	N	M	L	M	A	R	V	S	T
Russkii suvenir 1	A55	A	F	L	I	V	N	V	T	M	S	T	F	N	G	T	P	A	R	T	M	N	S	L	V	S	I	F	N	M	L	M	A	R	V	S	T
Russkii suvenir 2	A56	A	F	L	I	V	N	V	T	M	S	T	F	N	G	T	P	A	R	T	M	N	S	L	V	S	I	F	N	M	L	M	A	R	V	S	T
Arlekin 1	A57	A	F	L	I	V	N	V	T	M	S	T	F	N	G	T	P	A	R	T	M	N	S	L	V	S	I	F	N	M	L	M	A	R	V	S	T
Arlekin 2	A58	A	F	L	I	V	N	V	T	M	S	T	F	N	G	T	P	A	R	T	M	N	S	L	V	S	I	F	N	M	L	M	A	R	V	S	T
Babushka 1	A59	A	F	L	I	V	N	V	T	M	S	T	F	N	G	T	P	A	R	T	M	N	S	L	V	S	I	F	N	M	L	M	A	R	V	S	T
Babushka 2	A60</																																				