

Panel of SSR loci to track the pathogen of stem rust in Russia

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Fungus *Puccinia graminis* f. sp. *tritici* (*Pgt*) is important pathogen of spring bread wheat in different agricultural areas of Russia



Six SSR loci (*Pgestssr024*, *Pgestssr059*, *Pgestssr318*, *PgtCAA80*, *PgtCAA93*, *PgtCAA98*) were useful to track the origin of *Pgt* isolates

SSR loci were indicating due to the different number of alleles and unequal distribution of homo- and heterozygotes in the samples



agro-area	alleles of <i>Pgestssr024</i>	alleles of <i>Pgestssr059</i>	alleles of <i>Pgestssr318</i>	alleles of <i>PgtCAA80</i>	alleles of <i>PgtCAA93</i>	alleles of <i>PgtCAA98</i>
Central Region (CR)	2	2	1	2	1	2
Volga Region (VR)	2	1	2	1	2	3
Omsk (Om)	5	4	3	1	2	5
Novosibirsk (No)	4	5	3	1	2	5