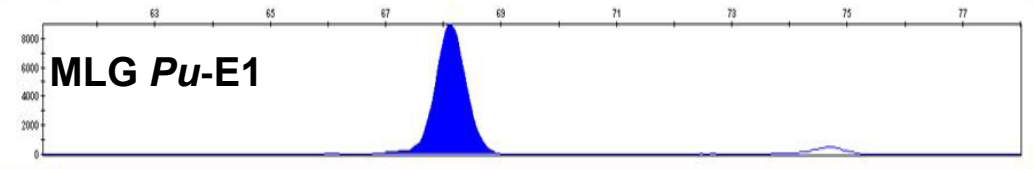
Figure 1S. Sample chromatograms at locus M-PAU14 from some observed MLGs of *Pu*, *P*×*m* and *P*×*a*.

1. MLG *Pu*-E1 amplified a single allele, which according to the diploid status of *Pu* would represent a homozygote locus.

2-3. MLGs *P*×*m*-1 and *P*×*m*-4 amplified 3 alleles. According to its ploidy level (4n) and comparing the allele peak size, we assumed that alleles 77 or 75 were in 2 copies.

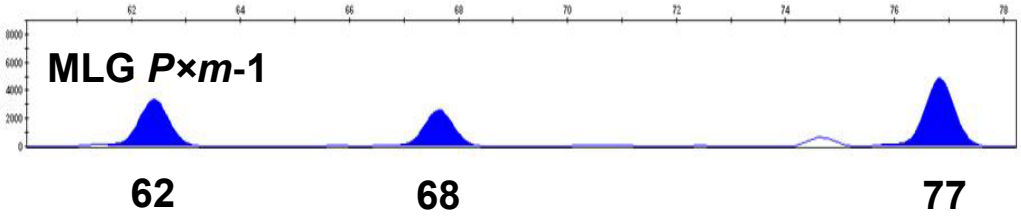
4-5. MLGs *P*×*a*-1 and *P*×*a*-3 amplified 3 alleles. Alleles 62 and 75/77 were assumed to represent the diploid *P*×*m* subgenome in *P*×*a*, as they were not present in *Pu*. Although allele 68 is shared by the three species, in these cases we assumed that this allele represented the haploid *Pu* subgenome.

1



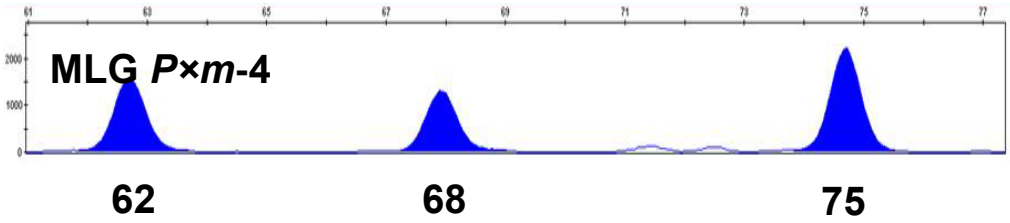
Genotype:
68/68

2



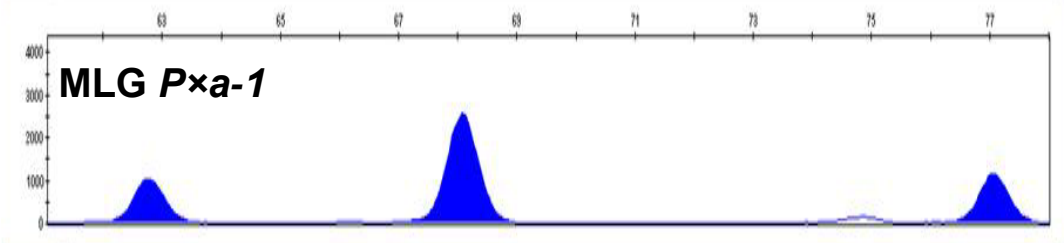
Genotype:
62/68/77/77

3



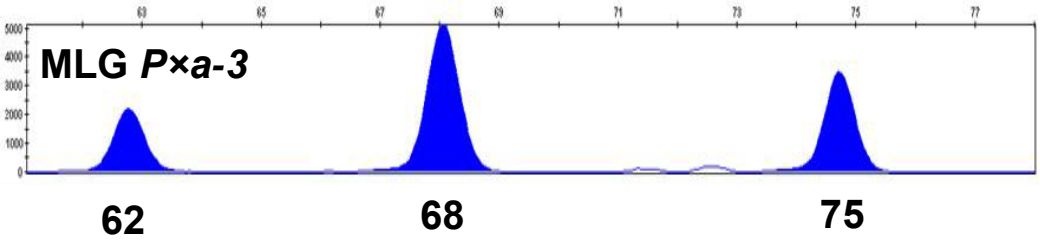
Genotype:
62/68/75/75

4



Genotype:
62/68/77

5



Genotype:
62/68/75