Table S1 Expected progeny phenotypes and segregation ratios for disomic and tetrasomic inheritance in a selfed population of a tetraploid switchgrass plant

Inheritance mode	Marker scoring types	Genotypes of two bands observed ^a	Theoretical genotypes of selfed progeny b	Expected selfed progeny band pattern	Expected progeny ratio
Disomic		AB	1AA, 2AB, 1BB	a:ab:b	1:2:1
Tetrasomic	co-dominant	ABBB	(1AABB,2ABBB),1BBBB	ab:b	3:1
		AABB AAAB	1AAAA,(8AAAB,18AABB,8ABBB),1BBBB 1AAAA,(2AAAB,1AABB)	a:ab:b a:ab	1:34:1 1:3
Disomic		<i>A</i> _	(1AA, 2A_), 1	presence:absence	3:1
Tetrasomic	dominant	A	(1AA,2A),1	presence:absence	3:1
		AA	(1AAAA,8AAA_ ,18AA ,8A),1	presence:absence	35:1
		AAA_	(1AAAA,2AAA_,1AA)	presence:absence	all presence

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^a Italicized capital letters represent genotypes.

^b The genotypes in parenthesis produce the same gel banding phenotypes.