

Genomic Sequence

Avocet S

1AS	c	t	G	t	g	G	g	a
1BS	c	t	T	t	g	G	g	a
1DS	c	t	G	t	g	G	g	a

Avocet S + Yr15

1AS	c	t	G	t	g	G	g	a
1BS	c	t	T	t	g	A	g	a
1DS	c	t	G	t	g	G	g	a

Consensus from parental

c	t	K	t	g	G	g	a
					↑	↑	
Homoeologous						Allelic	
					↓	↓	
c	t	K	t	g	R	g	a

Susceptible bulk

Position			181		184			
Reference	c	t	G	t	g	G	g	a

	.	.	T	.	.	.	.	.
	.	.	T	.	.	.	.	.

	.	.	T	.	.	A	.	.

	.	.	T	.	.	.	.	.

SNP Index 184A: $\frac{1}{8} = 0.125$

Bulk Frequency Ratio: $\frac{0.75}{0.125} = 6$

Resistant Bulk

			181		184			
c	t	G	t	g	G	g	a	
.
.	.	T	.	.	A	.	.	.
.	.	T	.	.	A	.	.	.
.
.	.	T	.	.	A	.	.	.
.	.	T	.	.	A	.	.	.
.	.	T	.	.	A	.	.	.
.	.	T	.	.	A	.	.	.

$\frac{6}{8} = 0.75$