

Population	Signature strength	Total	True positives	False positives
GABI	Strong	82	81	1
GABI	Weak	42	26	16
IBM	Strong	36	36	0
IBM	Weak	115	21	94
WHEAT	Strong	97	97	0
WHEAT	Weak	278	0	278

**Table S2. Assessment of rates of true and false positives by visual inspection**

Visual examination of all allele frequency profiles associated with the candidate markers allowed us to call each event as true or false. All but one event giving strong signatures were found to be true positives.