

Additional File 4: Ligase detection reaction primers for genotyping additional SNPs

PlasmoDB SNP identifier - allele	Primer Sequence ^a	FlexMap™ microsphere
CombinedSNP.MAL1.1085 - A	5'- CTTTTCATCAATAATCTTACCTTTTagcattaaatgaacaaatatcaa -3'	65
CombinedSNP.MAL1.1085 - T	5'- TCAAAATCTCAAATACTCAAATCAagcattaaatgaacaaatatcat -3'	18
CombinedSNP.MAL1.1085 - Common	5'/Phos/ tatttttaaattggatttttaaadc -3' Biotin	
CombinedSNP.MAL7.5506 - T	5'- TACATTACCAATAATCTTCAAATCttcatgttcacaatttgataaat -3'	4
CombinedSNP.MAL7.5506 - A	5'- TAATCTTCTATATCAACATCTTACttcatgttcacaatttgataaaa -3'	9
CombinedSNP.MAL7.5506 - Common	5'/Phos/ ataaactattcttattattattgtc -3' Biotin	
CombinedSNP.MAL8.6181 - G	5'- CAATAAACTATACTTCTTCACTAAccttccaaccataatttttag -3'	13
CombinedSNP.MAL8.6181 - A	5'- CAATTCATTTACCAATTTACCAATtccttccaaccataattttaa -3'	7
CombinedSNP.MAL8.6181 - Common	5'/Phos/ aagttgccattcttctctcg -3' Biotin	
CombinedSNP.MAL9.4825 - C	5'- ATACCAATAATCCAATTCATATCAatgtgatgcagatgccac -3'	70
CombinedSNP.MAL9.4825 - A	5'- TTAATTCACCTTTCTATTTACAATCgatgtgatgcagatgcca -3'	88
CombinedSNP.MAL9.4825 - Common	5'/Phos/ atgtaccgaagaagattcag -3' Biotin	
CombinedSNP.MAL13.6337 - G	5'- CAATTCAAATCACAATAATCAATCgtattgtgttgagcttaatat -3'	5
CombinedSNP.MAL13.6337 - T	5'- CTTTAATCCTTTATCACTTTATCAgtattgtgttgagcttaatat -3'	17
CombinedSNP.MAL13.6337 - Common	5'/Phos/ ttcactaataactttttttacc -3' Biotin	

^a Nucleotides in upper case letters (24 bases) represent the TAG sequence added to the 5' end of each allele-specific LDR primer.