

Additional file 6

Gene	Homoeolog specificity	Methods	Forward primer (5' to 3')	reverse primer (5' to 3')	Remarks
MET1-group2	2BD	BS	TGATTTAYTTGGAGTGGTATGG	TTTCACAACRTRTTTTCTCTTCC	
	2A	BS	GYTTTAYTTGGAGTGGTATGAA	TTTCACAACRTRTTTTCTCTTCC	
	2A	RT-PCR	GATAGGATTATCACAGTCCGC	GCAAGAGGGGGTGGCACA	
	2B	RT-PCR	TGTGCCACCCCTCTTGC	CAGTTCATGCCAGCCATGC	
	2D	RT-PCR	GACCAGGATAGGATTATCACG	CCAGCCACGCACAATAAAGA	
	2A	Q-RT-PCR	CAGTTTTCGGGCACCATTC	CCAGTCACGCACAATAGAGG	
	2B	Q-RT-PCR	CAGTTTTCGGGCACCATTC	CAGTTCATGCCAGCCATGC	
	2D	Q-RT-PCR	TGTGCCACCCCTCTTGC	CCAGCCACGCACAATAAAGA	
	2B	Mapping	GAAGGTGACCAAGTTCATGCTCA GTTACGGGCTAGCAAACACG	GCTCCTGGAGAGATTCTTCTCTGATT	marker 52, Population Renan x Recital, SNP =G
2B	Mapping	GAAGTCGGAGTCAACGGATTTC AGTTCAGGGCTAGCAAACACT	TTCTTCTGATTGGCCAGAACCAT	marker 52, Population Renan x Recital, SNP =T	
MET1-group5	5A	Mapping	GAAGGTGACCAAGTTCATGCTCA CTTGTGCTCGGCAACTACAA	GGGAACAAAATCTACTGTCAACTATG CTT	marker 51, Population Renan x Recital, SNP =A
	5A	Mapping	GAAGTCGGAGTCAACGGATTAC TTGTGCTCGGCAACTACAC	CTACTGTCAACTATGCTTCATTTTAG CCAA	marker 51, Population Renan x Recital, SNP =C
	5B	Mapping	GAAGGTGACCAAGTTCATGCTAC ATTCTTAGTAAGCAACCATGTGT	CCTGTGGATAGCTTACCTGTACTA	marker 35, Population Renan x Recital, SNP =A
	5B	Mapping	GAAGGTGACCAAGTTCATGCTCC CAGATGAACGCCCTTTTCCTA	ATTCCGCATTCTAGAAGCAGGTTTCA T	marker 43, Population Renan x Recital, SNP =A
	5B	Mapping	GAAGGTGACCAAGTTCATGCTGA GGCGAGCCCATCTCCTG	GCAAAAGCGTATCGCCTCGAATCIT	marker 48, Population Renan x Recital, SNP =C
	5B	Mapping	GAAGTCGGAGTCAACGGATTAC ATTCTTAGTAAGCAACCATGTGC	GCTTACCTGTACTATTACATGATG AAA	marker 35, Population Renan x Recital, SNP =G
	5B	Mapping	GAAGTCGGAGTCAACGGATTCC AGATGAACGCCCTTTTCCTG	CAGGTTTCATATGGCATCGCGCATT	marker 43, Population Renan x Recital, SNP =G
	5B	Mapping	GAAGTCGGAGTCAACGGATTGG AGCGGAGCCCATCTCCTA	GTATCGCCTCGAATCTTCTTCTGGAA	marker 48, Population Renan x Recital, SNP =T
	5B	BS	TTYATGYAAGGAAGTGGYAG	AACTCCTTTACCTTTTTRTCATC	
	5B	BS	GTTTTGYGGGAGGATTG	TCRRCCATCATTCATCC	
	5B	BS	GGTGGGTTYTYAAYTTTTGAT	AACCACATRTCCATRTAAAACC	
	5D	BS	TTYATGYAAGGAAGTGGYGG	TCCTTCCCTTTTTRTTRTCAC	
	5D	BS	GAAYTGTGAAGGAYTATYTG	ARATCCTCRACAAAACATCAT	
	5ABD	BS	ATYTGAAYTTYTAATTAGGATGT	TCCCCTRTAAARTTTARAATCA	
	5A	RT-PCR	TCGATGATCTGCATATCTATTTC	ACTGCTTCGTTGGCTGGAG	
5B	RT-PCR	CAGGAAGATCAAGGGATTCC	ACTGCTTCGTTGGCTGGAG		
5D	RT-PCR	GTGCTAAAAATGATACTGTTATC	ACTGCTTCGTTGGCTGGAG		
7A	7A	Mapping	GAAGGTGACCAAGTTCATGCTAT GCATCTTCGCTGAGTGATCACA	TGAGATTGAGCTCATTATTCTTTTA GCTA	marker 20, population Brigadier x Alcedo, SNP =A
	7A	Mapping	GAAGGTGACCAAGTTCATGCTAA CTCCACCGTTTGCCTGTGC	CAATCATGTGATGTACTGGYAGCTGA T	marker 22, Population Renan x Recital, SNP =G
	7A	Mapping	GAAGGTGACCAAGTTCATGCTAG CACCTGCCTCTAAAATCCAAAT	GCATTCCCTCATTCCCACATGTTCTA AA	marker 24, Population Renan x Recital, SNP =A
	7A	Mapping	GAAGGTGACCAAGTTCATGCTGA TTGGCCTGAACCGATGCAC	GCATAGTATTTCCCTTCTGGTAGATT GAT	marker 25, Population Renan x Recital, SNP =C
	7A	Mapping	GAAGGTGACCAAGTTCATGCTAG TCAGGGATACAATTGGTGATCTC	TACTATACACCTACCGGTATTGTGG TIT	marker 26, Population Renan x Recital, SNP =C
	7A	Mapping	GAAGGTGACCAAGTTCATGCTCA ACAGAAGTCTGATTATGAAGT T	TATGGGCCTTCTGACTGAAAAGATCA AAA	marker 30, Population Renan x Recital, SNP =A
	7A	Mapping	GAAGGTGACCAAGTTCATGCTGG CGTAATTTGACCTGAAATC	CGATGAAAGCTCCCTCTAACTTACAT AT	marker 34, population Brigadier x Alcedo, SNP =G

MET1-group7	7A	Mapping	GAAGGTGACCAAGTTCATGCTGA TGCAATCATCAACATCACCACAC	TGACCATTGCGCTTTGCAGGGCAAT	marker 41, population Brigadier x Alcedo, SNP =C
	7A	Mapping	GAAGGTGGAGTCAACGGATTGC ATCTTCGCTGAGTGATCAGC	GCACCTTATGAGATTGAGCTCATICA TTT	marker 20, population Brigadier x Alcedo, SNP =G
	7A	Mapping	GAAGGTGGAGTCAACGGATTCA ACTCCACCGTTTGCCTGTGA	GCTGTGCGTGCAGGTGAAGCTA	marker 22, Population Renan x Recital, SNP =T
	7A	Mapping	GAAGGTGGAGTCAACGGATTCA CCTGCCTCTAAAATCCCAAC	TCCCACATGTTCTAAACTTCTCTGCA TTT	marker 24, Population Renan x Recital, SNP =G
	7A	Mapping	GAAGGTGGAGTCAACGGATTCT GATTGGCCTGAACCGATGCAT	TGATTTTCAGCTCAGGGCTGGAGAA	marker 25, Population Renan x Recital, SNP =T
	7A	Mapping	GAAGGTGGAGTCAACGGATTAG TCAGGATACAATTGGTGATCTG	GGTATTGTTGGTTGTGCGCACCAT	marker 26, Population Renan x Recital, SNP =G
	7A	Mapping	GAAGGTGGAGTCAACGGATTCA ACAGAACTAGCTGATTATGAATG C	AAGACCGGTAACACTTGTGGCTT	marker 30, Population Renan x Recital, SNP =G
	7A	Mapping	GAAGGTGGAGTCAACGGATTGG CTGGCGTAATTTGTACCTGAAAT A	CTCCCTCTAACTTACATATGGATCTC AAT	marker 34, population Brigadier x Alcedo, SNP =T
	7A	Mapping	GAAGGTGGAGTCAACGGATTGA TGCAATCATCAACATCACCACAG	GCCTTTGCAGGGCAATAATGGACAA	marker 41, population Brigadier x Alcedo, SNP =G
	7B	Mapping	GAAGGTGACCAAGTTCATGCTGC ATTTATTTCAACAATGCAGCGC	TGAAGAATTATCTGTCCATGCACCAC AA	marker 04, population Brigadier x Alcedo, SNP =C
	7B	Mapping	GAAGGTGACCAAGTTCATGCTAT GCACCACAACATATCGTTCAACG	AATTTGAGAAAGGGCAGCCTGCATTT ATT	marker 05, population Brigadier x Alcedo, SNP =C
	7B	Mapping	GAAGGTGACCAAGTTCATGCTCA CTTGCTTCGAATTTCTAAACAGTC ATT	CTGTCTTGGCAATGCTGCAAAATGAA	marker 06, population Brigadier x Alcedo, SNP =A
	7B	Mapping	GAAGGTGACCAAGTTCATGCTTG CTCTCTCTGTTTGTCCCTA	AAAAAATGCAGAGGTTTAGAACATGT GGAA	marker 09, population Brigadier x Alcedo, SNP =A
	7B	Mapping	GAAGGTGACCAAGTTCATGCTGA GAGGGAGGCGGCAGC	ATTTGCTGGCAACATCCAGAGCAA	marker 11, population Brigadier x Alcedo, SNP =C
	7B	Mapping	GAAGGTGGAGTCAACGGATTGC ATTTATTTCAACAATGCAGCGG	CTGTCCATGCACCACAACATATCGTT	marker 04, population Brigadier x Alcedo, SNP =G
	7B	Mapping	GAAGGTGGAGTCAACGGATTCA TGCACCACAACATATCGTTCAAC A	AAGGGCAGCCTGCATTTATTTCAACA AAT	marker 05, population Brigadier x Alcedo, SNP =T
	7B	Mapping	GAAGGTGGAGTCAACGGATTAC TTGCTTCGAATTTCTAAACAGTCA TC	GCAATGCTGCAAAATGAACGAGAGGTT	marker 06, population Brigadier x Alcedo, SNP =G
	7B	Mapping	GAAGGTGGAGTCAACGGATTGC TCTCCTCTGTTTGTCCCTG	GAGGTTTAGAACATGTGGAAATGAAG GAA	marker 09, population Brigadier x Alcedo, SNP =G
	7B	Mapping	GAAGGTGGAGTCAACGGATTGA GAGGGAGGCGGCACC	TCCAGAGCAAGCACCAGGAGAT	marker 11, population Brigadier x Alcedo, SNP =G
	7A	BS	GGGTYGAGTTTGTATAAYTTA	AAARCCAAAACAATAARAARAC	
	7B	BS	GGGTYGAGTTTGTATAAYYTA	AAARCCAAAACAATAARAARAC	
	7D	BS	GGGTYGAGTTTGTATAAYATA	AAARCCAAAACAATAARAARAC	
	7D	BS	YGGGTGGYAGAGAAGAATG	ACACARACTCCTCTAAATTCAC	
	7A	RT-PCR	CATGCTTGAGGAGAACTG	ATCTTTGCAAGAAGTCCAGTG	
	7A	RT-PCR	CAGGATCATCACTGTTTCGTG	AATGACGAGCCTTGATATCATG	
	7D	RT-PCR	CAGGATCATCACTGTTTCGTG	GGCACCAGCCTGTATATAG	
	7D	RT-PCR	GCTCAAGCAAGCCATCGAC	GGCACCAGCCTGTATATAG	
VRN-A1	A	BS	AAATGATTTGGGAAAGCAAATC C	GAGGGGTTTTAAAGGGATCTGGCCC	0.0 k fragment from Khan et al 2013
	A	BS	GGAYAAAATYTTGAAYGGTATG AG	TTTCTAARCCCTTCAAAAACCTCA	9.2 k fragment from Khan et al 2013