

**TG178, 10 cM locus on Chromosome 6 -- (primers TG178F4/TG178R5)**

C.T. Martin and D. P. Maxwell, Dec. 13, 2006

**TG178F5**

**CATCGACTTCATCAAGAACACGG**

**TG178R5**

**GGGTATGGGA AGGCTCCTAG TGTTCTGG**

Heinz = Heinz 1706; 228-2 = Gmp6330; 19a = GMh8632; 902a = GIh902a

Exons are 1-69, 147-291, 384-445; match SGN-U313156, RNA helicase

Heinz-TG178-FR	CATCGACTTCATCAAGAACACGGAACTTCAAAGACCCGAAATCAATATTTCCCTTTTCAA	60
228-2-TG178-FR	CATCGACTTCATCAAGAACACGGAACTTCAAAGACCCGAAATCAATATTTCCCTTTTCAA	60
19a-TG178-FR	CATCGACTTCATCAAGAACACGGAACTTCAAAGACCCGAAATCAATATTTCCCTTTTCAA	60
902a-TG178-R5	CATCGACTTCATCAAGAACACGGAACTTCAAAGACCCGAAATCAATATTTCCCTTTTCAA	60
Consensus	catcgacttcatcaagaacacggaacttcaaagacccgaaatcaatatttcccttttcaa	
Heinz-TG178-FR	TGTGGTCCTGCAGCAGAATTTTGAAGCAGTCAACTTTTCACTCCATAAAAAGTGAATGAAA	120
228-2-TG178-FR	TGTGGTCCTGCAGCAGAATTTTGAAGCAGTgAACTTTTCACTCCATAAAAAGTGAATGAAA	120
19a-TG178-FR	TGTGGTCCTGCAGCAGAATTTTGAAGCAGTgAACTTTTCACTCCATAAAAAGTGAATGAAA	120
902a-TG178-R5	TGTGGTCCTGCAGCAGAATTTTGAAGCAGTgAACTTTTCACTCCATAAAAAGTGAATGAAA	120
Consensus	tggtgctcctgcagcagaatTTTGAAGCAGT aacttttctactccataaaaagtgaatgaaa	
Heinz-TG178-FR	CTCAATTGTATATCAGCAAACCTTACCTTAACCCCTTCCAGGAGTACCCACTACAATGTC	180
228-2-TG178-FR	CTCAAcTTGTATATCAGCAAACCTTACCTTAACCCCTTCCAGGAGTACCCACTACAATGTC	180
19a-TG178-FR	CTCAAcTTGTATATCAGCAAACCTTACCTTAACCCCTTCCAGGAGTACCCACTACAATGTC	180
902a-TG178-R5	CTCAAcTTGTATATCAGCAAACCTTACCTTAACCCCTTCCAGGAGTACCCACTACAATGTC	180
Consensus	ctcaa ttgtatatcagcaaaccttaccttaacccttccaggagtaccactacaatgtc	
Heinz-TG178-FR	AACTCCTCTTTTGTAGTTGAGCCTGTTGTGCCCCATAGGAGAATTTCCATACAAACAGCA	240
228-2-TG178-FR	AACTCCTCTTTTGTAGTTGAGCCTGTTGTGcCCCCATAGGAGAATTTCCATACAAACAGCA	240
19a-TG178-FR	AACTCCTCTTTTGTAGTTGAGCCTGTTGTGcCCCCATAGGAGAATTTCCATACAAACAGCA	240
902a-TG178-R5	AACTCCTCTTTTGTAGTTGAGCCTGTTGTGcCCCCATAGGAGAATTTCCATACAAACAGCA	240
Consensus	aactcctctTTTTGTAGTTGAGCCTGTTGTGc cccataggagaatTTCCATACAAACAGCA	
Heinz-TG178-FR	TGAAGTGAGCCCAACAGCCCGCCATAGACTTCAAAGTCAGCAAACACCTGCAATTACCA	300
228-2-TG178-FR	TGAAGTGAGCCCAACAGCCCGCCATAGACTTCAAAGTCAGCAAACACCTGCAATTACCA	300
19a-TG178-FR	TGAAGTGAGCCCAACAGCCCGCCATAGACTTCAAAGTCAGCAAACACCTGCAATTACCA	300
902a-TG178-R5	TGAAGTGAGCCCAACAGCCCGCCATAGACTTCAAAGTCAGCAAACACCTGCAATTACCA	300
Consensus	tgaagtGAGCCCAACAGCCCGCCatagacttcaaagtcagcaaacacctgcaattacca	
Heinz-TG178-FR	AATTAACAAGATGCTACTTACAAGAAATGCACCCATTGGTTTACAGTGAGTGAACAACA	360
228-2-TG178-FR	AATTAACAAGATGCTACTTACAAGAAATGCACCCATTGGTTTACAGTGAGTGAACAACAaA	360
19a-TG178-FR	AATTAACAAGATGCTACTTACAAGAAATGCACCCATTGGTTTACAGTGAGTGAACAACAaA	360
902a-TG178-R5	AATTAACAAGATGCTACTTACAAGAAATGCACCC	334
Consensus	aattaacaagatgctacttacaagaaatgcaccc	
Heinz-TG178-FR	CCTACAGAAGGCTGATAATATATACCTGAAGTGCCAATTCCTAGTAGGTAAAAGCACCA	420
228-2-TG178-FR	CCTACAGAAGGCTGATAATATATACCTGAAGTGCCAATTCCTAGTAGGTAAAAGCACCA	420
19a-TG178-FR	CCTACAGAAGGCTGATAATATATACCTGAAGTGCCAATTCCTAGTAGGTAAAAGCACCA	420
Consensus		
Heinz-TG178-FR	GAACACTAGGAGCCTTCCCATAACCC	445
228-2-TG178-FR	GAACACTAGGAGCCTTCCCATAACCC	445
19a-TG178-FR	GAACACTAGGAGCCTTCCCATAACCC	445
Consensus		