**Supplementary Files**

**Supplementary File 1a. Genes within the *Irm3* QTL interval**



**Supplementary File 1b. *Pycard* gene sequencing PCR primer pairs**

Forward\_1 GTCCCCATCCCTGCTTCCTCTCAC 4855 bp after TSSa

Reverse\_1 CCAAACAGCCCTACGCATCTCCAG 3467 bp after TSS

Forward\_2 GTGGGGCTTGAGACTGCTGGTGA 4063 bp after TSS

Reverse\_2 TGGAGGGAATGAAGTTGATAGGTG 2836 bp after TSS

Forward\_3 CCAGGGCTTGTATGTAGAGGTCA 3100 bp after TSS

Reverse\_3 ATTTTGGGGGTGGGGCTGTTCATA 1806 bp after TSS

Forward\_4 TATGAACAGCCCCACCCCCAAAAT 1829 bp after TSS

Reverse\_4 GGCCTCCCCACCCTACCACACC 757 bp after TSS

Forward\_5: GAAGCCTTTGCACTAGAATGGAGA 1387 bp after TSS

Reverse\_5: ATGGGGCGGGCACGAGATG 213 bp after TSS

Forward\_6: TGCGCCCATAGCCTTCTCG 329 bp after TSS

Reverse\_6: AGCCTTAGCCCTTCCAACCCAACC 456 bp before TSS

a, TSS, transcription start site.