

Figure S1 Results of the QTL detection with each model for DMC for (A) the dent design and (B) the flint design. The $-\log_10(p-values)$ of the connected model are represented by black lines, the QTL positions of the connected models by black dots. The $-\log_10(p-values)$ of the LDLA – 5 cM model are represented by blue lines and the QTL positions by blue diamonds. The $-\log_10(p-values)$ of the LDLA – 2 cM model are represented by red lines and the QTL positions by red crosses. The $-\log_10(p-values)$ of the QTL detected by the LDLA – 1-marker model are represented by green stars. Horizontal lines correspond to the threshold values of the different models.